Materials

Basic Information

Materials form the foundation of galactic civilization. From the clothes worn by ordinary citizens to the armor carried by soldiers and the hulls of massive starships, nearly every aspect of daily life depends upon the extraction, refinement, and manufacture of countless natural and synthetic resources.

Throughout the galaxy, materials vary greatly in their availability, properties, and applications. Some are commonplace and can be found on thousands of worlds, while others are exceptionally rare, requiring specialized knowledge, industrial infrastructure, or access to tightly controlled resources. Over the centuries, many materials have earned reputations for their strength, resilience, versatility, or cultural significance.

For ease of reference, materials are categorized by rarity. While rarity often reflects how difficult a material is to obtain or manufacture, it should not be viewed as a direct measure of quality. Different materials serve different purposes, and their value frequently depends upon the needs of those who use them.

Rarity Classifications

Material classification reflects availability and industrial accessibility, not absolute performance.

Common	Materials that are widely available throughout the galaxy and can be produced or acquired with minimal difficulty. Common materials form the foundation of civilian industry, construction, and everyday manufacturing.
Uncommon	Materials that require additional resources, specialized processing, or less accessible raw materials. While still obtainable, they are not as widespread as common materials.
Rare	Materials commonly associated with advanced industry, military production, and specialized manufacturing. Their production often requires significant infrastructure and expertise.

Scarce	Materials that depend on limited resources, advanced refinement processes, or strategic industrial capabilities. Access is often restricted by availability rather than legality.
Exotic	Unusual materials possessing exceptional properties, rare sources, or highly specialized production methods. Their rarity and unique characteristics make them highly sought after throughout the galaxy.
Restricted	Materials whose production, distribution, or ownership is limited by political control, cultural significance, strategic importance, or extremely limited availability. Access to these materials is often restricted regardless of technological capability.

Common Materials

Common materials are widely available throughout the galaxy and serve as the foundation of civilian life, manufacturing, and construction. Their accessibility and ease of production make them among the most frequently used resources in everyday society.

Cloth

Rarity: Common
Origin: Various Civilizations

Cloth is one of the oldest and most widespread materials found throughout the galaxy. Produced from both natural and synthetic fibers, it serves as the foundation for countless civilian products, ranging from everyday clothing and uniforms to tents, coverings, and industrial fabrics. Nearly every known civilization has developed its own methods of producing and weaving cloth.

Due to its simplicity and versatility, cloth can be manufactured with minimal infrastructure and is available on the vast majority of inhabited worlds. Countless industries rely upon it for both practical and commercial purposes, making it one of the most commonly traded materials in galactic markets.

While offering little protection when compared to advanced materials, cloth remains indispensable to everyday life. Across thousands of cultures, it continues to play an important role not only in manufacturing and commerce, but also in tradition, art, and cultural identity.

Glass

Rarity: Common
Origin: Early Galactic Civilizations

Glass is a transparent material produced through the refinement of silica-rich minerals and similar natural resources. For thousands of years it has been used throughout the galaxy in architecture, storage containers, lighting systems, and countless other applications where visibility and practicality are required.

Its widespread availability and relatively simple production process have allowed glass manufacturing to become commonplace on many inhabited worlds. From small settlements to major urban centers, glass remains an essential component of both civilian and industrial development.

Although more fragile than many advanced materials, its utility has ensured its continued relevance throughout galactic history. Modern civilization relies upon glass in countless forms, making it one of the most familiar materials encountered throughout the galaxy.

Synthweave

Rarity: Common
Origin: Modern Industrial Development

Synthweave is a synthetic textile developed to provide greater durability and longevity than traditional cloth. Manufactured through industrial processes, it is commonly used in uniforms, workwear, equipment coverings, and civilian garments where additional resilience is desired without significantly increasing production costs.

The material became increasingly popular as industrial capabilities expanded across the galaxy. Its ability to withstand prolonged use while remaining lightweight and comfortable has made it a practical choice for both civilian and professional applications.

Today, Synthweave can be found in countless products and industries. While it lacks the prestige of more advanced protective materials, its reliability, affordability, and versatility have secured its place as one of the galaxy's most commonly used manufactured textiles.

Leather

Rarity: Common
Origin: Various Civilizations

Leather is produced from treated animal hides and remains one of the oldest materials still in widespread use throughout the galaxy. Long before the development of advanced synthetic fabrics and industrial composites, countless civilizations relied upon leather for clothing, equipment, and personal protection.

Its flexibility, durability, and comfort have allowed it to remain relevant even as newer materials emerged. Leather is commonly used in clothing, belts, pouches, utility equipment, vehicle interiors, and a variety of light protective applications.

Beyond its practical value, leather often carries cultural and traditional significance. Many societies continue to favor handcrafted leather goods due to their craftsmanship, appearance, and historical connection to local customs and heritage.

Uncommon Materials

Uncommon materials are less widespread than common resources and often require specialized processing, rarer raw materials, or greater manufacturing expertise. While still obtainable throughout much of the galaxy, their production is generally more demanding and their applications more specialized.

Reinforced Leather

Rarity: Uncommon
Origin: Frontier and Hunting Cultures

Reinforced Leather is an enhanced form of traditional leather that has been strengthened through additional treatments, layered construction, or the incorporation of protective materials. Developed by countless cultures seeking greater protection without sacrificing flexibility, it bridges the gap between simple clothing and dedicated armor.

The material is particularly popular among hunters, scouts, frontier settlers, mercenaries, and others who operate in harsh environments where durability is valued but access to advanced industrial materials may be limited. Its construction often requires greater craftsmanship than standard leatherworking, resulting in equipment that is both resilient and practical.

Despite the development of more advanced armor materials, Reinforced Leather remains widely respected for its reliability and ease of repair. On many frontier worlds, it continues to serve as a trusted form of protection for those living far from major industrial centers.

Carbon Fiber

Rarity: Uncommon
Origin: Modern Industrial Manufacturing

Carbon Fiber is a lightweight composite material composed of tightly woven carbon strands. Known for its impressive strength-to-weight ratio, it is frequently used in applications where reducing weight is just as important as maintaining structural integrity.

Its production requires specialized industrial facilities and advanced manufacturing techniques, making it less accessible than many traditional materials. Carbon Fiber is commonly found in vehicles, tools, equipment housings, structural supports, and specialized protective gear designed to maximize mobility without sacrificing durability.

As technology and industry expanded throughout the galaxy, Carbon Fiber became increasingly valued by manufacturers seeking efficient and reliable construction materials. Its versatility and performance have secured its place in both civilian and professional industries across countless worlds.

Ceramic Plating

Rarity: Uncommon
Origin: Industrial Protective Engineering

Ceramic Plating consists of hardened ceramic compounds engineered to provide significant resistance to heat, impacts, and environmental stress. While ceramics have been used by civilizations for millennia, modern industrial techniques have transformed them into highly effective protective materials.

The material is commonly employed in industrial equipment, defensive installations, vehicle components, and specialized armor systems where resistance to extreme conditions is required. Its manufacturing process demands refined materials and controlled production environments, making it more complex to produce than many common materials.

Ceramic Plating is particularly valued in industries where durability and thermal resistance are critical concerns. Though often overshadowed by advanced metallic alloys, it remains an important component of galactic engineering and protective design.

Rare Materials

Rare materials are commonly associated with advanced industry, military production, and specialized manufacturing. Their production often requires significant infrastructure, refined resources, and technical expertise, making them considerably less accessible than everyday materials.

Plastoid

Rarity: Rare
Origin: Galactic Military Development

Plastoid is a durable composite material developed to meet the growing demands of military organizations throughout the galaxy. Combining relatively low production costs with dependable protective qualities, it became a popular choice for standardized armor systems and military equipment.

Large-scale military forces frequently utilize Plastoid due to its balance of protection, manufacturability, and logistical efficiency. Its widespread adoption by governments and security

organizations has made it one of the most recognizable materials used in modern armor production.

Although more advanced materials exist, Plastoid remains an important component of military infrastructure. Its reliability and practicality have ensured its continued use across countless battlefields and defensive operations throughout galactic history.

Plasteel

Rarity: Rare
Origin: Galactic Industrial Age

Plasteel is a versatile composite material that combines metallic strength with advanced industrial manufacturing techniques. Designed to provide enhanced durability without excessive weight, it has become a cornerstone of modern construction and engineering.

The material is widely utilized in infrastructure projects, industrial equipment, transportation systems, and vehicle construction. Its adaptability allows it to serve a variety of purposes, making it one of the most valuable resources available to advanced industrial societies.

As galactic civilizations expanded and urbanized, Plasteel became increasingly important to economic and technological development. Today, many of the structures, facilities, and vehicles found throughout the galaxy rely upon it in some form.

Armorweave

Rarity: Rare
Origin: Advanced Protective Textile Engineering

Armorweave is a reinforced textile designed to provide protection while maintaining the appearance and flexibility of conventional clothing. Through the integration of advanced fibers and protective materials, it offers a unique balance between comfort, mobility, and defensive capability.

The material is often incorporated into uniforms, coats, robes, and formal attire where visible armor may be impractical or undesirable. Diplomats, security personnel, investigators, and other individuals operating in potentially dangerous environments frequently favor Armorweave due to its discreet nature.

Its specialized manufacturing process and unique applications have made Armorweave highly respected throughout the galaxy. While not intended to replace dedicated armor systems, it remains one of the most effective protective textiles available.

Transparisteel

Rarity: Rare
Origin: Advanced Industrial Materials Research

Transparisteel is a transparent structural material engineered to provide significantly greater strength and durability than conventional glass. Its development revolutionized numerous industries by allowing visibility and protection to coexist within a single material.

The material is commonly used in starship viewports, vehicle canopies, observation decks, industrial facilities, and defensive barriers. Its ability to withstand conditions that would shatter ordinary glass has made it indispensable to modern engineering and transportation.

Despite its widespread use in advanced infrastructure, Transparisteel remains more difficult and expensive to manufacture than traditional glass. As a result, it is generally reserved for applications where its unique properties justify the additional investment.

Duraplast

Rarity: Rare
Origin: Advanced Military Manufacturing

Duraplast is a sophisticated composite material engineered for demanding industrial and military applications. Developed as a stronger and more resilient alternative to many conventional materials, it offers an impressive balance of durability, protection, and structural performance.

The material is frequently used in military equipment, armored components, reinforced structures, and specialized engineering projects. Its versatility allows it to function effectively in environments where ordinary materials may struggle to withstand prolonged stress or damage.

Throughout the galaxy, Duraplast has earned a reputation as a dependable high-performance material. While its production requires significant industrial capabilities, its effectiveness has made it a valuable asset for governments, corporations, and military organizations alike.

Scarce Materials

Scarce materials represent a higher tier of industrial and military resources that require advanced infrastructure, refined extraction methods, and significant technological capability to produce. While they are not unknown, their availability is limited compared to standard industrial materials, and they are often associated with large-scale engineering and strategic development.

Durasteel

Rarity: Scarce
Origin: Advanced Industrial Metallurgy

Durasteel is one of the most widely recognized structural alloys in the galaxy, forming the backbone of modern construction, starship engineering, and military infrastructure. Known for its strength, reliability, and versatility, it has become a standard material in the development of large-scale industrial and defensive systems.

Its production requires refined metallic resources and advanced smelting processes, making it dependent on established industrial worlds and major manufacturing centers. As a result, while Durasteel is common within developed sectors of the galaxy, it remains inaccessible in regions lacking industrial infrastructure.

Across countless worlds, Durasteel has become synonymous with durability and structural integrity. From starship hulls to planetary fortifications, it plays a critical role in shaping the technological landscape of galactic civilization.

Duranium

Rarity: Scarce
Origin: Advanced Military Metallurgy

Duranium is a high-performance alloy developed for applications requiring superior structural resilience and defensive capability. Produced through complex refinement processes involving multiple rare metallic components, it represents a significant advancement over standard industrial alloys.

The material is commonly used in elite military armor systems, heavily fortified structures, high-priority vehicles, and specialized engineering projects where durability is critical. Its production is limited to advanced industrial facilities capable of handling its complex metallurgical requirements.

Due to the rarity of its raw components and the sophistication required for its creation, Duranium is reserved primarily for strategic applications. Its use is often associated with elite military forces and high-value infrastructure throughout the galaxy.

Exotic Materials

Exotic materials are defined by unusual properties, rare natural occurrences, or highly specialized production requirements. Unlike standard industrial resources, these materials are not simply difficult to manufacture but fundamentally uncommon, often requiring unique geological conditions, advanced refining techniques, or tightly controlled industrial processes.

Cortosis

Rarity: Exotic
Origin: Unknown Geological Formation

Cortosis is a rare and highly unusual metal known for its distinctive structural behavior and exceptional resistance properties. Its scarcity and unpredictable distribution have made it the subject of extensive study and controlled extraction efforts throughout the galaxy.

The material is typically found in isolated deposits within specific asteroid fields and deeply embedded geological formations. Its extraction and refinement require specialized facilities due to its unstable processing characteristics and limited availability.

Because of these constraints, Cortosis remains one of the most elusive materials in galactic industry. Its rarity and unusual properties ensure it is rarely encountered outside of specialized military, industrial, or experimental applications.

Phrik

Rarity: Exotic
Origin: Rare Alloy Formation Processes

Phrik is an advanced alloy known for its exceptional resilience and structural integrity under extreme conditions. Unlike conventional metals, it is produced through highly specialized processes involving rare precursor materials and controlled refinement environments.

Its production is extremely limited, restricted to only a handful of facilities capable of maintaining the precise conditions required for its creation. As a result, Phrik remains one of the most difficult advanced materials to acquire in meaningful quantities.

Due to its durability and rarity, Phrik is typically reserved for elite applications, where standard industrial materials are insufficient. Its reputation as a near-unbreakable alloy has made it highly sought after across the galaxy.

Neuranium

Rarity: Exotic
Origin: Composite Alloy Engineering

Neuranium is an advanced composite alloy created through the combination of multiple rare precursor materials. Its development represents a significant achievement in metallurgical engineering, requiring both specialized resources and highly controlled industrial processes.

The rarity of its constituent materials, combined with the complexity of its production, ensures that Neuranium remains extremely limited in availability. Only advanced industrial centers with access to rare resource chains are capable of producing it.

Due to its structural performance and stability, Neuranium is used in highly specialized applications where maximum reliability is required. Its scarcity and production complexity place it firmly among

the most advanced materials in known galactic industry.

Restricted Materials

Restricted materials represent the highest level of control and limitation within galactic industry. Their rarity is not defined solely by natural scarcity, but also by political control, cultural significance, strategic importance, and highly restricted access to production or refinement processes.

10% Beskar Alloy

Rarity: Restricted
Origin: Mandalorian Metallurgical Tradition

10% Beskar Alloy contains a small proportion of refined Beskar combined with industrial metals to create a more accessible variant of the legendary material. While it does not fully replicate the properties of pure Beskar, it still carries enhanced durability and defensive characteristics compared to standard alloys.

Production of this alloy is tightly controlled due to the involvement of Beskar resources and Mandalorian refinement practices. Even in limited quantities, it is regarded as a highly valuable material with strong associations to Mandalorian craftsmanship and heritage.

35% Beskar Alloy

Rarity: Restricted
Origin: Mandalorian Metallurgical Tradition

35% Beskar Alloy incorporates a significant concentration of Beskar, resulting in a material that closely reflects the strength and resilience associated with Mandalorian forging techniques. It represents a mid to high grade synthesis between industrial metals and sacred Mandalorian resources.

Access to this material is highly restricted due to the limited availability of Beskar and the controlled nature of its refinement. It is typically reserved for select applications where both performance and prestige are important factors.

60% Beskar Alloy

Rarity: Restricted
Origin: Mandalorian Metallurgical Tradition

60% Beskar Alloy is a high concentration composite that approaches the upper limits of industrial Beskar integration. Its properties place it among the most resilient manufactured materials available outside of pure Beskar itself.

The rarity of raw Beskar and the precision required in its processing ensure that production remains extremely limited. This alloy is generally reserved for elite applications and high-priority equipment where maximum performance is required.

Beskar

Rarity: Restricted
Origin: Mandalorian Metallurgical Tradition

Beskar is one of the most renowned materials in the galaxy, deeply tied to Mandalorian culture and identity. Known for its exceptional durability and resistance properties, it has become a symbol of tradition, craftsmanship, and heritage.

Its availability is strictly limited due to both natural scarcity and cultural control over its extraction and refinement. Beskar is not simply a material, but a resource with significant historical and societal importance, making it one of the most heavily controlled substances in the galaxy.

Revision #5
Created 2026-06-23 01:56:23 UTC by Lucas
Updated 2026-06-23 03:43:54 UTC by Lucas