

INDUSTRIAL GRADE
UHMWPE
POWDER

NS6130-12-000631

Quick Facts

Product	:	UHMWPE POWDER
Stock No	:	NS6130-12-000631
CAS	:	9002-88-4
Molecular Formula	:	(CH ₂ CH ₂) _n
Purity	:	99.9%

Technical Specification

Tensile Strength	Density	Melting Point	APS
30-35Mpa	0.94g/cm ³	146°C	100mesh

Ultra-High Molecular Weight Polyethylene (UHMWPE) powder is a high-performance engineering thermoplastic characterized by extremely long molecular chains. This structure delivers exceptional mechanical strength, superior abrasion resistance, and a very low coefficient of friction. Owing to its outstanding durability, chemical resistance, and reliable performance, UHMWPE powder is extensively utilized in demanding industrial applications across sectors such as mining, automotive, medical, and chemical processing.

Applications:

- Wear-resistant liners for mining and cement industries
- Battery separators with high porosity and stability
- Medical implants and surgical devices
- Filtration materials for air and chemicals
- Protective coatings for pipes and tanks
- Polymer additives improving strength and wear
- Emerging 3D printing applications
- High-strength, lightweight fiber production



* This image is for graphic purposes only and does not represent the actual product.

