

# UHMWPE POWDER

**NS6130-12-000630**

## Quick Facts

Product	:	UHMWPE POWDER
Stock No	:	NS6130-12-000630
CAS	:	9002-88-4
Molecular Formula	:	(CH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub>
:Purity	:	99.9%

## Technical Specification

Tensile Strength	Density	Melting Point	APS
30-35Mpa	0.94g/cm <sup>3</sup>	146°C	200mesh

Ultra-high-molecular-weight polyethylene, otherwise known as UHMWPE, has been relied upon due to its very high ultimate tensile strength, good biocompatibility, corrosion resistance, low water uptake, a low coefficient friction, and high abrasion resistance. UHMWPE is odorless, tasteless, and nontoxic. Such properties define UHMWPE's use in many development areas and in medicine and biology, including the manufacture of artificial joints and implants for surgery and orthopedics.

### Applications:

- Total Hip Replacement
- Knee Replacement
- Shoulder Replacement
- Ankle Replacement
- Small Joints
- Elbow replacement
- Spinal disk replacement



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

