

Technical Data Sheet

Icorene PE 50 0149 NAT

Ultra High Molecular Weight Polyethylene

Product Description

Icorene PE 50 0149 NAT is a Polyethylene, Extra High Molecular Weight material.

Forms

Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/21.6 kg)	10	g/10 min	ASTM D1238
Density	0.949	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	24.8	MPa	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Tensile Elongation at Break, (51 mm/min)	600	%	ASTM D638
Impact			
Ductile/Brittle Transition Temperature	-90.6	°C	ASTM D746