

**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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (190 °C/21.6 kg)	10	g/10 min	ASTM D1238
Density	0.949	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
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
<b>Impact</b>			
Ductile/Brittle Transition Temperature	-90.6	°C	ASTM D746