

Technical Data Sheet

Iconene PE 50 0149 NAT

Ultra High Molecular Weight Polyethylene



Product Description

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

Regulatory Status

For regulatory compliance information, see PE 50 0149 NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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