

Icorene PE 50 0149 NAT

LyondellBasell Industries - Ultra High Molecular Weight Polyethylene

General Information

Product Description

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

General

Forms • Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3600	psi	ASTM D638
Tensile Elongation ² (Break)	600	%	ASTM D638
Flexural Modulus	170000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-131	°F	ASTM D746

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min