

Lupolen 5461 B Q 471 B

High Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 5461 B Q 471 B is a high density polyethylene (HDPE) powder with high melt viscosity for extrusion of peroxide crosslinked pipes (PE-Xa). Typical application: Crosslinked pipes, PE-Xa (peroxide).

It is not intended for medical and pharmaceutical applications.

General Information	
Features	High Viscosity
Uses	Piping
	Sheet
Forms	Powder
Processing Method	Extrusion
	Pipe Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	15	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	49.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1100	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	8.0	%	ISO 527-2/50
Extrusion	Nominal Value	Unit	
Melt Temperature	< 280	°C	

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