

Lupolen 4261 A Q 416

High Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 4261 A Q 416 is a high density polyethylene (HDPE) with high melt viscosity for extrusion of radiation crosslinked pipes (PE-Xc). The product has a high heat- and extremely high extraction stability.

It is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Extraction Resistant		
	High Heat Resistance		
	High Viscosity		
	Irradiation Crosslinkable		
Uses	Piping		
Forms	Pellets		
Processing Method	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	8.5	g/10 min	
190°C/5.0 kg	0.50	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	62		ISO 868
Ball Indentation Hardness (H 132/30)	40.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	850	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	24.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	10	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	125	°C	ISO 306/A50
--	75.0	°C	ISO 306/B50
Melting Temperature (DSC)	131	°C	ISO 3146
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 220	°C	

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