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/cm³	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	

Recommended distributors for this material

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