



Lupolen 4261 A Q 416

Polyethylene, High Density

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Extrusion Pipe Sheet and Semi Finished Products
Typical Customer Applications	Plumbing, Heating & Cooling

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.946	g/cm ³
Melt flow rate (MFR)	ISO 1133		
(190°C/5.0kg)		0.5	g/10 min
(190°C/21.6kg)		8.5	g/10 min
Mechanical			
Tensile Modulus (23 °C, v = 1 mm/min, Secant)	ISO 527-1, -2	850	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	24	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	10	%
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	62	
Ball indentation hardness (H 132/30)	ISO 2039-1	40	MPa
Thermal			
Vicat softening temperature	ISO 306		
(VST/A/50 K/h (10 N))		125	°C
(VST/B/50 K/h (50 N))		75	°C
Melting Temperature	ISO 3146	131	°C

Additional Properties

Processing:

Recommended melt temperatures: 190-220 °C

Notes

Typical properties; not to be construed as specifications.