

Lupolen 4261 A Q416

(PE-HD)

LyondellBasell Industries

For extrusion of radiation crosslinked pipes (PE-Xc).

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.5	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	850	MPa	ISO 527
Yield stress	24	MPa	ISO 527
Yield strain	10	%	ISO 527
Shore Hardness D (15s)	62	-	ISO 868
Ball Indentation Hardness	40	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	131	°C	ISO 11357-1/-3
Vicat softening temperature A	125	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	75	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	946	kg/m³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	190 - 230	°C	-

Characteristics

Processing

Sheet Extrusion, Pipe/Tube Extrusion

Special Characteristics

Heat aging stabilized

Features

Creep Resistance, Crosslinkable, Thermal Stability

Chemical Resistance

General Chemical Resistance

Certifications

Food approval, Water contact