

Lupolen 5461 B Q471 (PE-HD)

LyondellBasell Industries

Material for extrusion of peroxide crosslinked pipes (PE-Xa).

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	1100	MPa	ISO 527
Yield stress	28	MPa	ISO 527
Yield strain	8	%	ISO 527
Shore Hardness D (15s)	64	-	ISO 868
Ball Indentation Hardness	49	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature A	130	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	79	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	953	kg/m³	ISO 1183

Characteristics

Processing

Sheet Extrusion, Pipe/Tube Extrusion

Delivery form

Powder

Features

Crosslinkable

Certifications

Food approval, Water contact