

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

Features

Crosslinkable

Delivery form

Powder

Certifications

Food approval, Water contact

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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