

Lupolen 5261Z Q456

(PE-HD)

LyondellBasell Industries

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

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	2	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1100	MPa	ISO 527
Yield stress	27	MPa	ISO 527
Yield strain	9	%	ISO 527
Shore Hardness D (15s)	65	-	ISO 868
Ball Indentation Hardness	52	MPa	ISO 2039-1

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	134	°C	ISO 11357-1/-3
Vicat softening temperature A	132	°C	ISO 306
Vicat softening temperature, 50°C/h 50N	80	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	954	kg/m³	ISO 1183

Characteristics

Processing

Sheet Extrusion, Compression Molding, Pipe/Tube Extrusion

Delivery form

Powder

Features

Crosslinkable

Certifications

Food approval, Water contact