

Lupolen 4552D BLACK (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.42	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	900	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Strain at Break	700	%	ISO 527
Notched Impact Strength (Izod)	3	kJ/m ²	ISO 180/1A
Temperature	-20	°C	-
Shore Hardness D (15s)	60	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	130	°C	ISO 11357-1/-3

Electrical Properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	1E17	Ohm*cm	ASTM D 257

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	956	kg/m ³	ISO 1183
Bulk density	500	kg/m ³	-

Characteristics

Processing

Other Extrusion, Coating, Pipe/Tube Extrusion

Delivery form

Pellets, Black

Special Characteristics

Impact modified, UV stablized

Features

Creep Resistance, Fungus Resistance, Thermal Stability

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Ozone Resistance

Applications

Building Construction