

Petrothene LR52800E (PE-HD)

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.3	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
Shore Hardness D (15s)	61	-	ISO 868
ASTM Data			
Elongation at Break	700	%	ASTM D 638

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
ISO Data			
Electric Strength	20	kV/mm	IEC 60243-1
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	950	kg/m³	ISO 1183

Characteristics

Processing

Wire/Cable Extrusion

Chemical Resistance

Environmental Stress Crack Resistance

Features

Thermal Stability

Applications

Building Construction, Electrical and Electronical