

Petrothene LP540200

(PE-HD)

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.17	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	21.9	MPa	ASTM D 638
Shore D Hardness	62	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	64	°C	ASTM D 648
Vicat Temperature	119	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	940	kg/m ³	ASTM D 792

Film Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield, MD	19.3	MPa	ASTM D 882
Tensile Strength at Yield, TD	22.8	MPa	ASTM D 882
Tensile Strength at Break, MD	46.9	MPa	ASTM D 882
Tensile Strength at Break, TD	29.6	MPa	ASTM D 882
Elongation at Break, MD	510	%	ASTM D 882
Elongation at Break, TD	680	%	ASTM D 882
Type of extrusion	blown	-	-
Thickness of specimen	0.051	mm	-

Characteristics**Processing**

Blown Film Extrusion, Profile Extrusion, Sheet Extrusion, Wire/Cable Extrusion

Features

Copolymer

Chemical Resistance

Environmental Stress Crack Resistance

Certifications

Food contact

Applications

Electrical and Electronical, General Purpose, Packaging

Regional Availability

North America