

**Petrothene LR52800E**

(PE-HD)

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>0.3</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>2.16</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>900</b>	MPa	ISO 527
Yield stress	<b>23</b>	MPa	ISO 527
Shore D hardness	<b>61</b>	-	ISO 7619-1
<b>ASTM Data</b>			
Elongation at Break	<b>700</b>	%	ASTM D 638
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>130</b>	°C	ISO 11357-1/-3
<b>Electrical properties</b>			
<b>ISO Data</b>			
Electric strength	<b>20</b>	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>950</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Processing**

Wire/Cable Extrusion

**Features**

Thermal Stability

**Chemical Resistance**

Environmental Stress Crack Resistance

**Applications**

Building Construction, Electrical and Electronical

**Regional Availability**

North America