

**Petrothene NA940094**

(PE-LD)

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>0.25</b>	g/10min	ASTM D 1238

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>14.5</b>	MPa	ASTM D 638
Elongation at Break	<b>600</b>	%	ASTM D 638
Flexural Modulus	<b>234.4</b>	MPa	ASTM D 790
Shore D Hardness	<b>50</b>	-	ASTM D 2240

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>42</b>	°C	ASTM D 648
Vicat Temperature	<b>90</b>	°C	ASTM D 1525

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>918</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Film Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength, MD	<b>20.7</b>	MPa	ASTM D 882
Tensile Strength, TD	<b>19.3</b>	MPa	ASTM D 882
Type of extrusion	<b>blown</b>	-	-
Thickness of specimen	<b>0.0318</b>	mm	-

**Characteristics****Processing**

Film Extrusion

**Additives**

Antiblocking agent

**Features**

Homopolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Regional Availability**

North America