

Technical Data Sheet

**Petrothene NA202000**



Low Density Polyethylene

**Product Description**

*Petrothene* NA202000 resin exhibits high processability, low warpage and a combination of softness and toughness desired for LDPE molding. Typical applications include automotive items, toys, closures, lids and wire & cable.

**Application** Automotive Parts; Caps & Closures; Sports, Leisure & Toys; Wire & Cable  
**Market** Rigid Packaging; Wire & Cable  
**Processing Method** Injection Molding; Wire & Cable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	22	g/10 min	22	g/10 min	ASTM D1238
Density, (23 °C)	0.915	g/cm <sup>3</sup>	0.915	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>					
Flexural Modulus, (1% Secant)	24700	psi	170	MPa	ASTM D790
Tensile Stress at Break	1450	psi	10.0	MPa	ASTM D638
Tensile Stress at Yield	1250	psi	8.6	MPa	ASTM D638
Tensile Elongation at Break	550	%	550	%	ASTM D638
Tensile Elongation at Yield	23	%	23	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	40		40		ASTM D2240
<b>Thermal</b>					
Low Temperature Brittleness, F <sub>50</sub>	-53	°F	-47	°C	ASTM D746