

**Technical Data Sheet**

***Petrothene* NA270001**



Low Density Polyethylene

**Product Description**

*Petrothene* NA270001 is a high flow, low density polyethylene resin selected by customers for use in the injection molding of caps, closures, other specialty applications or cast film. NA270001 is also used in wire & cable applications. NA270001 exhibit an excellent balance of toughness, softness, dimensional stability and processability.

<b>Application</b>	Carpet Backing; Wire & Cable
<b>Market</b>	Rigid Packaging; Wire & Cable
<b>Processing Method</b>	Injection Molding; Wire & Cable

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>English Units</b>	<b>Nominal Value</b>	<b>SI Units</b>	<b>Test Method</b>
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	70	g/10 min	70	g/10 min	ASTM D1238
<b>Mechanical</b>					
Flexural Modulus					
(1% Secant)	27000	psi	186	MPa	ASTM D790
(2% Secant)	24000	psi	165	MPa	ASTM D790
Tensile Strength at Break	1120	psi	8	MPa	ASTM D638
Tensile Strength at Yield	1650	psi	11	MPa	ASTM D638
Tensile Elongation at Yield	11	%	11	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	47		47		ASTM D2240