

Technical Data Sheet

Petrothene NA247000X01



Low Density Polyethylene

Product Description

Petrothene NA247000X01 provides a balance of stiffness and tear strength. Typical applications include tamper evident caps and closures.

Application	Caps & Closures
Market	Rigid Packaging
Processing Method	Injection Molding

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	7.5	g/10 min	7.5	g/10 min	ASTM D1238
Density, (23 °C)	0.924	g/cm ³	0.924	g/cm ³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	49300	psi	340	MPa	ASTM D790
Tensile Strength at Yield	1970	psi	13.6	MPa	ASTM D638
Tensile Elongation at Yield	13	%	13	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	48		48		ASTM D2240
Thermal					
Low Temperature Brittleness, F ₅₀	-45	°F	-43	°C	ASTM D746