

Petrothene® NA345009

低密度聚乙烯

LyondellBasell Industries

Technical Data			
Product Description			
Petrothene NA345009 is a low density homopolymer resin selected by customers for blow molding and injection molding applications. Clarity combined with strength and high stiffness are key attributes of NA345009. Typical customer applications include flexible containers, squeeze bottles and toys.			
General			
Features	• Good Clarity • 高刚性	• 均聚物 • 良好的强度	
Uses	• 包装 • 薄膜 • 吹塑成型应用 • 护罩	• 挤瓶 • 片材 • 瓶子 • 容器	• 外壳 • 玩具 • 型材 • 硬包装
Processing Method	• 吹塑成型	• 挤出吹塑成型	• 注射成型
Physical			
		额定值 单位制	测试方法
Density ³		0.921 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)		1.8 g/10 min	ASTM D1238
Mechanical			
		额定值 单位制	测试方法
Tensile Strength			ASTM D638
屈服		12.4 MPa	
断裂		12.1 MPa	
Tensile Elongation			ASTM D638
屈服		14 %	
断裂		> 600 %	
Flexural Modulus			ASTM D790
1% 正割		296 MPa	
2% 正割		248 MPa	
Hardness			
		额定值 单位制	测试方法
Durometer Hardness (邵氏 D)		56	ASTM D2240
Thermal			
		额定值 单位制	测试方法
Deflection Temperature Under Load			ASTM D648
0.45 MPa, 未退火		46.0 °C	
Brittleness Temperature		< -76.1 °C	ASTM D746
Vicat Softening Temperature		96.1 °C	ASTM D1525