

# 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	<ul style="list-style-type: none"> <li>• Good Clarity</li> <li>• 高刚性</li> </ul>	<ul style="list-style-type: none"> <li>• 均聚物</li> <li>• 良好的强度</li> </ul>	
Uses	<ul style="list-style-type: none"> <li>• 包装</li> <li>• 薄膜</li> <li>• 吹塑成型应用</li> <li>• 护罩</li> </ul>	<ul style="list-style-type: none"> <li>• 挤瓶</li> <li>• 片材</li> <li>• 瓶子</li> <li>• 容器</li> </ul>	<ul style="list-style-type: none"> <li>• 外壳</li> <li>• 玩具</li> <li>• 型材</li> <li>• 硬包装</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• 吹塑成型</li> </ul>	<ul style="list-style-type: none"> <li>• 挤出吹塑成型</li> </ul>	<ul style="list-style-type: none"> <li>• 注射成型</li> </ul>

### Physical

	额定值 单位制	测试方法
Density <sup>3</sup>	0.921 g/cm <sup>3</sup>	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