

# Alathon® H5618

高密度聚乙烯

LyondellBasell Industries

## Technical Data

### Product Description

Alathon H5618 provides easy processing characteristics and exhibits excellent toughness properties and color as well as low odor and good processing stability. Typical applications include housewares, containers, caps and closures.

### General

Features	<ul style="list-style-type: none"> <li>可加工性, 良好</li> <li>良好的加工稳定性</li> </ul>	<ul style="list-style-type: none"> <li>良好的着色性</li> <li>气味低到无</li> </ul>	<ul style="list-style-type: none"> <li>韧性良好</li> </ul>
Uses	<ul style="list-style-type: none"> <li>包装</li> <li>护罩</li> </ul>	<ul style="list-style-type: none"> <li>家用货品</li> <li>容器</li> </ul>	<ul style="list-style-type: none"> <li>外壳</li> <li>硬包装</li> </ul>
Processing Method	<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>4</sup>	0.956 g/cm <sup>3</sup>	ASTM D1505
Apparent (Bulk) Density	0.53 到 0.59 g/cm <sup>3</sup>	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18 g/10 min	ASTM D1238
Spiral Flow	29.7 cm	Internal Method

### Mechanical

	额定值 单位制	测试方法
Tensile Modulus		ASTM D638
--	1050 MPa	
1% 正割	848 MPa	
Tensile Strength		ASTM D638
屈服, 23°C	29.2 MPa	
断裂, 23°C	24.0 MPa	
Tensile Elongation		ASTM D638
屈服, 23°C	8.0 %	
断裂, 23°C	62 %	
Flexural Modulus		ASTM D790
--	1490 MPa	
1% 正割	1410 MPa	
2% 正割	1180 MPa	

### Impact

	额定值 单位制	测试方法
Notched Izod Impact (23°C)	31 J/m	ASTM D256
Unnotched Izod Impact (-18°C)	无断裂	ASTM D4812

### Hardness

	额定值 单位制	测试方法
Durometer Hardness (邵氏 D)	69	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	73.0 °C	
Brittleness Temperature	< -76.0 °C	ASTM D746
Vicat Softening Temperature	125 °C	ASTM D1525
Peak Melting Temperature	130 °C	ASTM D3418
Peak Crystallization Temperature (DSC)	115 °C	ASTM D3418