

# Eltex® Superstress™ CAP311

高密度聚乙烯共聚物

INEOS Olefins & Polymers Europe

## Technical Data

### 产品说明

ELTEX® Superstress™ CAP311 is a High Density Polyethylene copolymer manufactured by INEOS Olefins & Polymers Europe using its proprietary supported catalyst & process, particularly intended for the injection and compression moulding of screw caps for the packaging of beverages.

It is especially suited for applications requiring excellent processability, high rigidity and enhanced stress cracking resistance. Thanks to high purity and excellent organoleptic properties it is well suited for packaging in direct contact with beverages and sensitive food.

### Benefits & Features

- Very good injectability (MFR 11-like resin)
- High rigidity
- Good stress cracking resistance
- Improved rigidity/stress cracking resistance compromise
- Excellent quality controlled organoleptic properties
- Slip agent free grade

### Applications

Injection Moulding and Compression Moulding of Caps & Closures for the packaging of still mineral water and slightly carbonated or pressurized beverages

### 总体

特性	<ul style="list-style-type: none"> <li>• Excellent Organoleptic Properties</li> <li>• 纯度高</li> <li>• 刚性, 高</li> </ul>	<ul style="list-style-type: none"> <li>• 高 ESCR ( 抗应力开裂 )</li> <li>• 高密度</li> <li>• 共聚物</li> </ul>	<ul style="list-style-type: none"> <li>• 可加工性, 良好</li> <li>• 食品接触的合规性</li> </ul>
用途	<ul style="list-style-type: none"> <li>• 包装</li> <li>• 护罩</li> </ul>	<ul style="list-style-type: none"> <li>• 食品包装</li> <li>• 外壳</li> </ul>	
RoHS 合规性	<ul style="list-style-type: none"> <li>• 联系制造商</li> </ul>		
形式	<ul style="list-style-type: none"> <li>• 粒子</li> </ul>		
加工方法	<ul style="list-style-type: none"> <li>• 压缩模塑</li> </ul>	<ul style="list-style-type: none"> <li>• 注射成型</li> </ul>	

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度 (73°F (23°C))	0.960 g/cm <sup>3</sup>	0.960 g/cm <sup>3</sup>	ISO 1183
熔流率 ( 熔体流动速率 ) (190°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
抗环境应力开裂 <sup>3</sup> (104°F (40°C), 10% Igepal)	12.0 hr	12.0 hr	内部方法
机械性能	额定值 (英制)	额定值 (公制)	测试方法
拉伸模量 (73°F (23°C))	218000 psi	1500 MPa	ISO 527-2/1
注射	额定值 (英制)	额定值 (公制)	
加工 ( 熔体 ) 温度	< 482 °F	< 250 °C	