

Eltex® Superstress™ CAP508

高密度聚乙烯共聚物

INEOS Olefins & Polymers Europe

Technical Data

产品说明

ELTEX® Superstress™ CAP508 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 stress cracking resistance and enhanced processability. 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 processability
- High stress cracking resistance
- Excellent quality controlled organoleptic properties
- Slip agent free grade

Applications

- Injection Moulding and Compression Moulding of Caps & Closures for the packaging of sparkling water and carbonated soft drinks; especially in reduced weight cap designs
- Injection Moulding of thin wall packaging, especially for the food industry
- Caps & closures for the packaging of medical and pharmaceutical applications

总体

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

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度 (73°F (23°C))	0.953 g/cm ³	0.953 g/cm ³	ISO 1183
熔流率 (熔体流动速率) (190°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ISO 1133
抗环境应力开裂	32.0 hr	32.0 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))	145000 psi	1000 MPa	ISO 527-2/1
拉伸应力 (屈服, 73°F (23°C))	3770 psi	26.0 MPa	ISO 527-2
冲击性能	额定值 (英制)	额定值 (公制)	测试方法
简支梁缺口冲击强度 (73°F (23°C))	2.6 ft-lb/in ²	5.5 kJ/m ²	ISO 179/1eA
注射	额定值 (英制)	额定值 (公制)	
加工 (熔体) 温度	< 482 °F	< 250 °C	