

Eltex® Superstress™ CAP602S2

高密度聚乙烯共聚物

INEOS Olefins & Polymers Europe

Technical Data

产品说明

Eltex® Superstress™ CAP602S2 is a high-density polyethylene copolymer manufactured by INEOS Polyolefins using its proprietary supported catalyst & process particularly intended for the injection moulding of screw caps for the packaging of beverages. It is especially suitable for applications requiring outstanding environmental stress cracking resistance and thanks to high purity and excellent organoleptic properties, particularly intended for packaging in direct contact with beverages.

Applications:

- Injection of caps & closures for the packaging of carbonated soft drinks
- Use in warm regions & cases, where ESCR can be a problem with standard grades
- Possibility to reach new designs with reduced cap weight

Benefits and Features:

- Outstanding stress cracking resistance
- Good processing performances
- Very high impact strength
- Excellent, quality controlled organoleptic properties. In order to preserve the excellent organoleptic properties, it is important not to exceed a melt temperature of 250°C during processing.
- Grade containing slip agent ensuring easy application and opening. Exposure to direct sunlight has to be avoided as the slip agent is light sensitive and its degradation can give off-taste to the beverage.

总体

添加剂	• 增滑剂		
特性	• Excellent Organoleptic Properties • 超高抗冲击性 • 纯度高	• 高 ESCR (抗应力开裂) • 高密度 • 共聚物	• 光滑性 • 可加工性, 良好
用途	• 护罩	• 外壳	
RoHS 合规性	• 联系制造商		
形式	• 粒子		
加工方法	• 注射成型		

物理性能	额定值 (英制)	额定值 (公制)	测试方法
密度	0.953 g/cm ³	0.953 g/cm ³	ISO 1872
熔流率 (熔体流动速率) (230°C/2.16 kg)	0.80 g/10 min	0.80 g/10 min	ISO 1133
抗环境应力开裂	> 40.0 hr	> 40.0 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	174000 psi	1200 MPa	ISO 527-2/1B
拉伸应力 (屈服)	3770 psi	26.0 MPa	ISO 527-2/1B
冲击性能	额定值 (英制)	额定值 (公制)	测试方法
简支梁无缺口冲击强度 (73°F (23°C))	4.3 ft·lb/in ²	9.0 kJ/m ²	ISO 179