Eltex® P CAP912

Polypropylene Random Copolymer

INEOS Olefins & Polymers Europe

Message:

Benefits & Features
Eltex® P CAP912 is a random copolymer polypropylene specially developed for caps and closures applications in direct contact with beverages. Eltex® P CAP912 has excellent organoleptic properties – taste & odour – which are guaranteed and is compliant with volatile organic compound requirements following EPA524.2; this provides ultra-clean packaging capability.
Eltex® P CAP912 is a medium ethylene content random copolymer with good balance of stiffness, impact and processing. It offers for the injection moulding of caps and closures high transparency, surface aspect quality and hinge resistance.
Good transparency
Good flow
Good mould release
Good hinge properties
Excellent and 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.
Applications
Caps and closures for the packaging of still beverages: water, juices, functionalised beverages...

General Information			
Features	Clean/High Purity Excellent Organoleptic Properties Good Flow Good Mold Release Good Surface Finish High Clarity Random Copolymer		
Uses	Caps Closures		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C, Injection Molded)	28.0	MPa	ISO 527-2
Flexural Modulus (23°C, Injection Molded)	1100	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength			ISO 180/A
0°C, Injection Molded	3.3	kJ/m^2	

23°C, Injection Molded	6.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50
Peak Crystallization Temperature (DSC)	119	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze			ASTM D1003
1000 µm	15	%	
2000 µm	30	%	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China