CET® 230

Resirene, S.A. de C.V. - Styrene Methyl Methacrylate Acrylic Copolymer

General Information

Product Description

IMPACT MODIFIED STYRENE ACRYLIC COPOLYMER (MBS)

FEATURES

- High Clarity
- Easy to Process
- Practical Toughness
- FDA Compliant
- Gamma & EtO Sterilizable

APPLICATIONS

- Glassware
- Household Products
- Cosmetic Packaging
- Personal Hygiene Items

General			
Additive	• Impact Modifier		
Features	• Copolymer • Ethylene Oxide Sterilizable • Good Processability	• Good Sterilizability • Good Toughness • High Clarity	• Impact Modified • Radiation Sterilizable
Uses	• Cosmetic Packaging • Household Goods	• Hygiene • Kitchenware	• Packaging
Agency Ratings	• FDA		
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [2]	326000	psi	ASTM D638
Tensile Strength [2] (Yield)	4500	psi	ASTM D638
Tensile Strength [2] (Break)	4060	psi	ASTM D638
Tensile Elongation [2] (Yield)	2.0	%	ASTM D638
Tensile Elongation [2] (Break)	60	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (0.125 in)	0.30	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	4.6	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	174	°F	
Vicat Softening Temperature	210	°F	ASTM D1525

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Optical	Nominal Value	Unit	Test Method
Light Transmittance	88.0	%	ASTM D1003
Haze	3.30	%	ASTM D1003

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	338 to 356	°F
Middle Temperature	356 to 374	°F
Front Temperature	392 to 410	°F
Processing (Melt) Temp	< 482	°F

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 0.20 in/min