

**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**

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Additive	• Impact Modifier		
Features	• Copolymer	• Good Sterilizability	• Impact Modified
	• Ethylene Oxide Sterilizable	• Good Toughness	• Radiation Sterilizable
	• Good Processability	• High Clarity	
Uses	• Cosmetic Packaging	• Hygiene	• Packaging
	• Household Goods	• Kitchenware	
Agency Ratings	• FDA		
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

 Properties <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Modulus <sup>2</sup>	326000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	4500	psi	ASTM D638
Tensile Strength <sup>2</sup> (Break)	4060	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	2.0	%	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	60	%	ASTM D638
<b>Impact</b>			
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
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	174	°F	ASTM D648
Vicat Softening Temperature	210	°F	ASTM D1525
<b>Optical</b>			
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

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 0.20 in/min

