



# CET® 240

## 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
- USP Rating: Class VI Plastics
- Gamma & ETO Sterilizable

#### APPLICATIONS

- Glassware
- Cosmetic Packaging
- Appliances
- Medical Devices
- Office Accesories

#### General

Additive	• Impact Modifier		
Features	• Copolymer • Ethylene Oxide Sterilizable • Good Processability	• Good Sterilizability • Good Toughness • High Clarity	• Impact Modified • Radiation Sterilizable
Uses	• Appliances • Cosmetic Packaging	• Kitchenware • Medical Devices	• Medical/Healthcare Applications • Packaging
Agency Ratings	• FDA	• USP Class VI	
Appearance	• Clear/Transparent		
Processing Method	• Injection Molding		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		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 <sup>2</sup>	275000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	4350	psi	ASTM D638
Tensile Strength <sup>2</sup> (Break)	3630	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	2.0	%	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	70	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.39	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	4.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	169	°F	ASTM D648

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<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Vicat Softening Temperature	210	°F	ASTM D1525
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating	HB		UL 94
<b>Optical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Light Transmittance	87.0	%	ASTM D1003
Haze	4.00	%	ASTM D1003

### Processing Information

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
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