

**CET® 251 DB**

Resirene, S.A. de C.V. - Acrylic (SMMA) + SBC

**General Information**
**Product Description**

SMMA/SBC DRY BLEND

**FEATURES**

- Excellent Clarity
- Easy to Process
- Impact Resistant
- FDA Compliant

**APPLICATIONS**

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

**General**

Material Status	• Commercial: Active
Availability	• Europe • Latin America • North America
Features	• Copolymer • Good Processability • Good Impact Resistance • High Clarity
Uses	• Cosmetic Packaging • Hygiene • Packaging • Household Goods • Kitchenware
Agency Ratings	• FDA
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)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>2</sup>	119000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	3920	psi	ASTM D638
Tensile Strength <sup>2</sup> (Break)	3340	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	3.0	%	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	43	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (0.125 in)	4.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	165	°F	ASTM D648
Vicat Softening Temperature	210	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Light Transmittance	90.0	%	ASTM D1003
Haze	2.80	%	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

