

CET® 231 DB

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

General Information

Product Description

SMMA/SMC DRY BLEND

FEATURES

- High Clarity
- Easy to Process
- Practical Toughness
- FDA Compliant

APPLICATIONS

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

General

| | |
|-------------------|--|
| Material Status | • Commercial: Active |
| Availability | • Europe • Latin America • North America |
| Features | • Copolymer • Good Processability • Good Toughness • High Clarity |
| 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) | 5.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus ² | 364000 | psi | ASTM D638 |
| Tensile Strength ² (Yield) | 5800 | psi | ASTM D638 |
| Tensile Strength ² (Break) | 7110 | psi | ASTM D638 |
| Tensile Elongation ² (Yield) | 2.0 | % | ASTM D638 |
| Tensile Elongation ² (Break) | 9.0 | % | ASTM D638 |
| Impact | Nominal Value | Unit | Test Method |
| Unnotched Izod Impact (0.125 in) | 3.3 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 167 | °F | ASTM D648 |
| Vicat Softening Temperature | 208 | °F | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Light Transmittance | 90.0 | % | ASTM D1003 |
| Haze | 1.40 | % | 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 |

