

Cycloloy* Resin MC5303

Asia Pacific: COMMERCIAL

Property

| TYPICAL PROPERTIES ⁽¹⁾ | | | |
|---|-----------|------|----------------------|
| MECHANICAL | Value | Unit | Standard |
| Tensile Stress, yield | 60 | MPa | SABIC - Japan Method |
| Tensile Strain, break | 140 - 140 | % | SABIC - Japan Method |
| Flexural Stress | 90 | MPa | ASTM D 790 |
| Flexural Modulus | 2350 | MPa | ASTM D 790 |
| IMPACT | Value | Unit | Standard |
| Izod Impact, notched, 23°C | 294 | J/m | ASTM D 256 |
| THERMAL | Value | Unit | Standard |
| HDT, 0.45 MPa, 3.2 mm, unannealed | 125 | °C | ASTM D 648 |
| PHYSICAL | Value | Unit | Standard |
| Specific Gravity | 1.24 | - | ASTM D 792 |
| Water Absorption, 24 hours | 0.2 | % | ASTM D 570 |
| Mold Shrinkage, flow, 3.2 mm | 0.4 - 0.6 | % | SABIC Method |
| FLAME CHARACTERISTICS | Value | Unit | Standard |
| UL Recognized, 94V-0 Flame Class Rating (3) | 1.5 | mm | UL 94 |
| UL Recognized, 94-5VB Rating (3) | 2.5 | mm | UL 94 |

Source GMD, last updated:01/30/2000

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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