

Lexan* Resin 121SRM

Asia Pacific: COMMERCIAL

Easy flow, impact modified, super release grade polycarbonate.

Property

| TYPICAL PROPERTIES ⁽¹⁾ | | | |
|----------------------------------------------|-----------|----------|--------------|
| MECHANICAL | Value | Unit | Standard |
| Tensile Stress, yld, Type I, 50 mm/min | 65 | MPa | ASTM D 638 |
| Tensile Strain, brk, Type I, 50 mm/min | 143 | % | ASTM D 638 |
| Flexural Stress, yld, 1.3 mm/min, 50 mm span | 97 | MPa | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 2300 | MPa | ASTM D 790 |
| IMPACT | Value | Unit | Standard |
| Izod Impact, notched, 23°C | 801 | J/m | ASTM D 256 |
| THERMAL | Value | Unit | Standard |
| HDT, 1.82 MPa, 3.2mm, unannealed | 123 | °C | ASTM D 648 |
| HDT, 1.82 MPa, 6.4 mm, unannealed | 133 | °C | ASTM D 648 |
| PHYSICAL | Value | Unit | Standard |
| Specific Gravity | 1.2 | - | ASTM D 792 |
| Water Absorption, 24 hours | 0.15 | % | ASTM D 570 |
| Mold Shrinkage, flow, 3.2 mm | 0.5 - 0.7 | % | SABIC Method |
| Melt Flow Rate, 300°C/1.2 kgf | 18 | g/10 min | ASTM D 1238 |

Source GMD, last updated:06/18/1999

Processing

| Parameter | Value | Unit |
|--------------------------|-----------|------|
| Injection Molding | | |
| Drying Temperature | 120 | °C |
| Drying Time | 3 - 4 | hrs |
| Drying Time (Cumulative) | 48 | hrs |
| Melt Temperature | 280 - 305 | °C |
| Mold Temperature | 70 - 95 | °C |

Source GMD, last updated:06/18/1999

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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