

Polyram RamShine PV102 ABS, General Purpose

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

General purpose ABS for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamShine-PV102-ABS-General-Purpose.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|-----------|
| Water Absorption | 0.40 % | 0.40 % | DIN 53495 |
| Linear Mold Shrinkage | 0.0030 cm/cm | 0.0030 in/in | |
| Melt Flow | 20 g/10 min @Load 10.0 kg, Temperature 220 °C | 20 g/10 min @Load 22.0 lb, Temperature 428 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-----------------------------------|---------------------------------------|-----------|
| Tensile Strength, Yield | 20.0 MPa | 2900 psi | ASTM-D638 |
| Elongation at Break | 15 % | 15 % | ASTM-D638 |
| Tensile Modulus | 6.10 GPa | 885 ksi | ASTM-D790 |
| Flexural Strength | 40.0 MPa | 5800 psi | ASTM-D790 |
| Flexural Modulus | 3.80 GPa | 551 ksi | ASTM-D790 |
| Izod Impact, Notched | 3.00 J/cm @Temperature 23.0 °C | 5.62 ft-lb/in @Temperature 73.4 °F | ASTM-D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|---------------------------|------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 84.0 °C | 183 °F | DIN 53461 |
| Vicat Softening Point | 98.0 °C | 208 °F | ASTM-D1525 |
| Flammability, UL94 | HB @Thickness 3.00 mm | HB @Thickness 0.118 in | |

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