

## Polyram RamOfin PPH353M8 Polypropylene, 40% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

### Material Notes:

40% mineral filled polypropylene for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polyram-RamOfin-PPH353M8-Polypropylene-40-Mineral-Filled.php](http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPH353M8-Polypropylene-40-Mineral-Filled.php)

| Physical Properties   | Metric                                               | English                                              | Comments  |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-----------|
| Density               | 1.24 g/cc                                            | 0.0448 lb/in <sup>3</sup>                            | DIN 53479 |
| Linear Mold Shrinkage | 0.010 cm/cm                                          | 0.010 in/in                                          |           |
| Melt Flow             | 5.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 5.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | ISO 1133  |

| Mechanical Properties   | Metric                             | English                               | Comments  |
|-------------------------|------------------------------------|---------------------------------------|-----------|
| Tensile Strength, Yield | 80.0 MPa                           | 11600 psi                             | ASTM-D638 |
| Elongation at Break     | 3.0 %                              | 3.0 %                                 | ASTM-D638 |
| Flexural Strength       | 60.0 MPa                           | 8700 psi                              | ASTM D790 |
| Flexural Modulus        | 2.00 GPa                           | 290 ksi                               | ASTM-D790 |
| Izod Impact, Notched    | 0.750 J/cm<br>@Temperature 23.0 °C | 1.41 ft-lb/in<br>@Temperature 73.4 °F | ASTM-D256 |

| Thermal Properties                          | Metric                   | English                   | Comments              |
|---------------------------------------------|--------------------------|---------------------------|-----------------------|
| Melting Point                               | 165 °C                   | 329 °F                    |                       |
| Maximum Service Temperature, Air            | 110 °C                   | 230 °F                    | Continuous Use        |
|                                             | 140 °C                   | 284 °F                    | Short peaks operation |
| Deflection Temperature at 0.46 MPa (66 psi) | 153 °C                   | 307 °F                    | DIN 53461             |
| Deflection Temperature at 1.8 MPa (264 psi) | 145 °C                   | 293 °F                    | DIN 53461             |
| Flammability, UL94                          | HB<br>@Thickness 3.00 mm | HB<br>@Thickness 0.118 in |                       |

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