

## Polimeri Europa Greenflex® ML 20 Ethylene Vinyl Acetate Copolymer - Injection Molding

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate; Molded/Extruded

### Material Notes:

Greenflex ML 20 is an ethylene vinyl acetate copolymer (EVA) for injection molding, when a good ESCR is required. Main Applications:

Greenflex ML 20 is recommended for the production of flexible items. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Greenflex-ML-20-Ethylene-Vinyl-Acetate-Copolymer-Injection-Molding.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Greenflex-ML-20-Ethylene-Vinyl-Acetate-Copolymer-Injection-Molding.php)

| Physical Properties   | Metric                                               | English                                              | Comments        |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-----------------|
| Specific Gravity      | 0.925 g/cc                                           | 0.925 g/cc                                           | ISO 1183        |
| Vinyl Acetate Content | 7.0 %                                                | 7.0 %                                                | Internal Method |
| Melt Flow             | 2.5 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 2.5 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ISO 1133        |

| Mechanical Properties   | Metric    | English  | Comments  |
|-------------------------|-----------|----------|-----------|
| Hardness, Shore A       | 95        | 95       | ISO 868/A |
| Hardness, Shore D       | 43        | 43       | ISO 868/A |
| Tensile Strength, Yield | 7.00 MPa  | 1020 psi | ISO 527   |
| Flexural Modulus        | 0.100 GPa | 14.5 ksi | ISO 178   |

| Thermal Properties      | Metric                   | English                 | Comments        |
|-------------------------|--------------------------|-------------------------|-----------------|
| Melting Point           | 101 °C                   | 214 °F                  | Internal Method |
| Vicat Softening Point   | 78.0 °C<br>@Load 1.00 kg | 172 °F<br>@Load 2.20 lb | ISO 306/A       |
| Brittleness Temperature | <= -80.0 °C              | <= -112 °F              | ASTM D746       |

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