

## Polimeri Europa Greenflex® MH 40 Ethylene Vinyl Acetate Copolymer - Injection Molding & Extrusion

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

### Material Notes:

Greenflex MH 40 is an ethylene vinyl acetate copolymer (EVA) for injection molding and extrusion. Items produced with Greenflex MH 40 show high elasticity and good mechanical properties. Main Applications: Greenflex MH 40 is recommended for the production of flexible items, foamed and crosslinked sheets for shoes. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Greenflex-MH-40-Ethylene-Vinyl-Acetate-Copolymer-Injection-Molding-Extrusion.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Greenflex-MH-40-Ethylene-Vinyl-Acetate-Copolymer-Injection-Molding-Extrusion.php)

| Physical Properties   | Metric                                               | English                                              | Comments        |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-----------------|
| Specific Gravity      | 0.938 g/cc                                           | 0.938 g/cc                                           | ISO 1183        |
| Vinyl Acetate Content | 17 %                                                 | 17 %                                                 | Internal Method |
| Melt Flow             | 1.8 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 1.8 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ISO 1133        |

| Mechanical Properties   | Metric     | English  | Comments  |
|-------------------------|------------|----------|-----------|
| Hardness, Shore A       | 89         | 89       | ISO 868/A |
| Hardness, Shore D       | 36         | 36       | ISO 868/A |
| Tensile Strength, Yield | 5.60 MPa   | 812 psi  | ISO 527   |
| Flexural Modulus        | 0.0400 GPa | 5.80 ksi | ISO 178   |

| Thermal Properties      | Metric                   | English                 | Comments        |
|-------------------------|--------------------------|-------------------------|-----------------|
| Melting Point           | 88.0 °C                  | 190 °F                  | Internal Method |
| Vicat Softening Point   | 62.0 °C<br>@Load 1.00 kg | 144 °F<br>@Load 2.20 lb | ISO 306/A       |
| Brittleness Temperature | <= -80.0 °C              | <= -112 °F              | ASTM D746       |

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