

LATI Latistat 45/7-02 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Dissipative product based on High density polyethylene (HD-PE). Unfilled. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latistat-457-02-HDPE.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|---------------------|---------------------------|----------|
| Density | 1.10 g/cc | 0.0397 lb/in ³ | |
| Linear Mold Shrinkage, Flow | 0.015 - 0.018 cm/cm | 0.015 - 0.018 in/in | |
| Linear Mold Shrinkage, Transverse | 0.015 - 0.018 cm/cm | 0.015 - 0.018 in/in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|-----------------------------|----------|
| Tensile Strength at Break | 25.0 MPa | 3630 psi | |
| Elongation at Break | 6.0 % | 6.0 % | |
| Elongation at Yield | 5.0 % | 5.0 % | |
| Tensile Modulus | 1.60 GPa | 232 ksi | |
| Charpy Impact Unnotched | 2.50 J/cm ² | 11.9 ft-lb/in ² | |
| Charpy Impact, Notched | 0.120 J/cm ² | 0.571 ft-lb/in ² | |

| Thermal Properties | Metric | English | Comments |
|---|---------------------------|--------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 90.0 Â°C | 194 Â°F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 60.0 Â°C | 140 Â°F | |
| Vicat Softening Point | 90.0 Â°C @Load 5.00 kg | 194 Â°F @Load 11.0 lb | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Surface Resistance | 40 ohm | 40 ohm | |

| Processing Properties | Metric | English | Comments |
|-----------------------|---------------|---------------|----------|
| Melt Temperature | 180 - 230 Â°C | 356 - 446 Â°F | |

| Mold Temperature Processing Properties | 20.0 - 40.0 Å°C Metric | 68.0 - 104 Å°F English | Comments |
|---|------------------------------------|----------------------------------|----------|
| Drying Temperature | 80.0 - 90.0 Å°C @Time 10800 sec | 176 - 194 Å°F @Time 3.00 hour | |

| Descriptive Properties | Value | Comments |
|--------------------------|--------|----------|
| ISO Shrinkage - Pressure | 60 MPa | |

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