

Styrolution Terluran® EHI-4 NR ABS Extrusion Application

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Information provided by STYROLUTION, which is a joint venture between BASF and INEOS

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styrolution-Terluran-EHI-4-NR-ABS-Extrusion-Application.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Density | 1.02 g/cc | 0.0368 lb/in ³ | ASTM D792 |
| Melt Flow | 3.06 g/10 min | 3.06 g/10 min | ASTM D1238 |
| | @Load 10.0 kg, Temperature 220 °C | @Load 22.0 lb, Temperature 428 °F | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------------------|----------------------------|--------------------|
| Tensile Strength, Yield | 39.0 MPa | 5660 psi | 2in/min; ASTM D638 |
| Tensile Modulus | 1.78 GPa | 258 ksi | ASTM D638 |
| Flexural Modulus | 1.78 GPa | 258 ksi | ASTM D790 |
| Charpy Impact, Notched | 9.60 J/cm ² | 45.7 ft-lb/in ² | ASTM D256 |
| | @Temperature -40.0 °C | @Temperature -40.0 °F | |
| Dart Drop, Total Energy | 33.5 J/cm ² | 159 ft-lb/in ² | ASTM D256 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Dart Drop, Total Energy | 31.0 J | 22.9 ft-lb | ASTM D3763 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------------------------------------|--------------------------------------|------------|
| Vicat Softening Point | 93.0 °C | 199 °F | ASTM D1225 |
| | @Load 5.10 kg, Temperature 50.0 °C | @Load 11.2 lb, Temperature 122 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|---------------|----------|
| Commercial Status | North America | |

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