

Shakespeare Isocorâ„¸ SVP4007 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Isocorâ„¸ SVP4007 is a high viscosity PA-6. This resin is specifically suited for applications requiring excellent abrasion, tensile and elongation properties. This resin can be processed using conventional techniques. Used for profile extrusions, film extrusions, flexible tubing, fiber and filaments. Information provided by Shakespeare Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shakespeare-Isocor-SVP4007-Nylon-6.php

| Physical Properties | Metric | English | Comments |
|-----------------------|-----------------------------------|------------------------------------|------------|
| Density | 1.103 g/cc | 0.03985 lb/in ³ | ASTM D 792 |
| Linear Mold Shrinkage | 0.015 cm/cm @Thickness 3.17 mm | 0.015 in/in @Thickness 0.125 in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------------------------------|-------------------------------------|------------|
| Tensile Strength at Break | 52.6 MPa | 7630 psi | ASTM D 638 |
| Tensile Modulus | 1.87 GPa | 271 ksi | ASTM D 638 |
| Izod Impact, Notched | 1.36 J/cm | 2.54 ft-lb/in | ASTM D 256 |
| Gardner Impact | 36.2 J @Temperature 23.0 Â°C | 26.7 ft-lb @Temperature 73.4 Â°F | ASTM 5420 |

| Thermal Properties | Metric | English | Comments |
|---------------------------|---------|---------|----------|
| Melting Point | 213 Â°C | 415 Â°F | DSC |
| Glass Transition Temp, Tg | 120 Â°C | 248 Â°F | DSC |

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