

Saint-Gobain Norton® UHMW PE Skived PTFE Film

Category : Polymer , Film , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Molded , Polyethylene (PE)

Material Notes:

Description: UHMWPE = ultra-high molecular weight polyethylene; PTFE = polytetrafluoroethylene
Applications include: Common in Protective/Decorative Applications
Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Norton-UHMW-PE-Skived-PTFE-Film.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------------|-------------------|------------|
| Specific Gravity | 0.930 - 1.00 g/cc | 0.930 - 1.00 g/cc | ASTM D-792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|-------------|------------|
| Tensile Strength, Yield | 37.9 MPa | 5500 psi | ASTM D-882 |
| Elongation at Break | 200 - 300 % | 200 - 300 % | ASTM D-882 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--|--|-------------|
| CTE, linear | 198 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$ | 110 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$ | ASTM D-696 |
| Melting Point | 135 $\text{Å}^\circ\text{C}$ | 275 $\text{Å}^\circ\text{F}$ | ASTM D-3418 |
| Maximum Service Temperature, Air | 93.3 $\text{Å}^\circ\text{C}$ | 200 $\text{Å}^\circ\text{F}$ | UL-746 B |

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