

Micropol Microlink XL Crosslinkable Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Characteristics: exceptional toughness, exceptional environmental stress cracking resistance, outstanding low temperature impact resistance down to -40°C, fully stabilized for outdoor use world wide. Information provided by Micropol Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_Micropol-Microlink-XL-Crosslinkable-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|--------------------|------------------------------------|------------|
| Density | 0.925 - 0.950 g/cc | 0.0334 - 0.0343 lb/in ³ | ASTM D1505 |
| Environmental Stress Crack Resistance | >= 1000 hour | >= 1000 hour | ASTM D1693 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--------------------------------|--------------------------------|---|
| Tensile Strength, Ultimate | 12.0 - 25.0 MPa | 1740 - 3630 psi | 50mm/min; ASTM D638 |
| Elongation at Break | 300 - 500 % | 300 - 500 % | ASTM D638 |
| Flexural Modulus | 0.250 - 0.750 GPa | 36.3 - 109 ksi | ASTM D790 |
| Impact | 36 @Temperature -20.0 °C | 36 @Temperature -4.00 °F | J/mm, Micropol test based on ASTM D1790 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------------|--------------|------------|
| Vicat Softening Point | 95.0 - 127 °C | 203 - 261 °F | ASTM D1525 |

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