

Teknor Apex Flexalloy® 3501-70-NT Polyvinyl Chloride Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Vinyl (PVC)

Material Notes:

Material Status-Commercial: ActiveAvailability-North AmericaTest Standards Available-ASTM Features: Ultra High MW, Ethylene Oxide SterilizableForms-PelletsProcessing-Extrusion, Injection MoldingAppearance-ClearInformation provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-3501-70-NT-Polyvinyl-Chloride-Elastomer.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|-----------------|
| Specific Gravity | 1.18 g/cc | 1.18 g/cc | 23°C; ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|--------------------------|
| Hardness, Shore A | 70 | 70 | 15 seconds; ASTM D2240 |
| Tensile Strength, Yield | 7.24 MPa | 1050 psi | 100%; ASTM D412 |
| | 16.5 MPa | 2400 psi | 3; ASTM D412 |
| | 17.9 MPa | 2600 psi | ASTM D412 |
| Elongation at Break | 350 % | 350 % | ASTM D412 |
| Tear Strength Test | 240 | 240 | in psi, Die C; ASTM D624 |
| Compression Set | 19 % | 19 % | 73°F, 22 hr.; ASTM D395 |
| | 55 % | 55 % | 158°F, 22 hr.; ASTM D395 |
| | 60 % | 60 % | 212°F, 22 hr.; ASTM D395 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|----------|----------|-----------|
| Brittleness Temperature | -42.0 °C | -43.6 °F | ASTM D746 |

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