

## Teknor Apex Flexalloy® 3500-35 Polyvinyl Chloride Elastomer

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

**Material Notes:**

Material Status-Commercial: ActiveAvailability-North AmericaTest Standards Available-ASTM Features: Ultra High MWUses- Tubing, Pump PartsForms-PelletsProcessing- ExtrusionInformation provided by Teknor Apex Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Flexalloy-3500-35-Polyvinyl-Chloride-Elastomer.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Flexalloy-3500-35-Polyvinyl-Chloride-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35	35	15 seconds; ASTM D2240
Tensile Strength, Yield	1.59 MPa	230 psi	100%; ASTM D412
	5.65 MPa	820 psi	ASTM D412
Elongation at Break	400 %	400 %	ASTM D412
Tear Strength, Total	444 N	99.8 lb (f)	Die C; ASTM D1004
Compression Set	12 %	12 %	73°F, 22 hr.; ASTM D395
	57 %	57 %	158°F, 22 hr.; ASTM D395
	74 %	74 %	212°C, 22 hr.; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-59.0 °C	-74.2 °F	ASTM D746

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