

## Teknor Apex Uniprene® UN-2467A Thermoplastic Vulcanizate

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

### Material Notes:

Notes: Injection Rate: Fast Uses: Expansion Joint; Grommets; Tubing; Gaskets; Plugs; Weatherstripping; Glazing; Shock Absorbing Pads  
Forms: Pellets Processing Method: Extrusion; Injection Molding Extrusion Notes: Screw Speed: 30 to 100 rpm Information Provided by Teknor Apex

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Teknor-Apex-Uniprene-UN-2467A-Thermoplastic-Vulcanizate.php](http://www.lookpolymers.com/polymer_Teknor-Apex-Uniprene-UN-2467A-Thermoplastic-Vulcanizate.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	15 seconds; ASTM D2240
Tensile Strength at Break	16.5 MPa	2400 psi	ASTM D412
Tensile Stress	7.93 MPa @Strain 100 %	1150 psi @Strain 100 %	ASTM D412
Elongation at Break	400 %	400 %	ASTM D412
Tear Strength	70.1 kN/m	400 pli	ASTM D624
Compression Set	60 % @Temperature 125 °C, Time 79200 sec	60 % @Temperature 257 °F, Time 22.0 hour	ASTM D395B

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	173 - 213 °C	344 - 416 °F	
Middle Barrel Temperature	179 - 219 °C	354 - 426 °F	
Front Barrel Temperature	184 - 224 °C	364 - 436 °F	
Nozzle Temperature	190 - 230 °C	374 - 446 °F	
Zone 1	166 - 204 °C	330 - 400 °F	
Zone 2	171 - 210 °C	340 - 410 °F	

Zone 3 Processing Properties	177 - 216 °C Metric	350 - 420 °F English	Comments
Zone 5	182 - 221 °C	360 - 430 °F	
Die Temperature	190 - 227 °C	374 - 440 °F	
Melt Temperature	190 - 230 °C	374 - 446 °F	Processing Temperature
Mold Temperature	35.0 - 60.0 °C	95.0 - 140 °F	
Injection Pressure	1.38 - 6.89 MPa	200 - 1000 psi	
Back Pressure	0.172 - 0.862 MPa	25.0 - 125 psi	
Cushion	0.381 - 2.54 cm	0.150 - 1.00 in	
Screw Speed	50 - 120 rpm	50 - 120 rpm	

Descriptive Properties	Value	Comments
Appearance	Opaque	

## Contact Songhan Plastic Technology Co.,Ltd.

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