

## Diamond Polymers Softflex® SF 5591 Thermoplastic Vulcanizate (TPV)

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

### Material Notes:

Information Provided by Diamond Polymers, Inc. & Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-Softflex-SF-5591-Thermoplastic-Vulcanizate-TPV.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-Softflex-SF-5591-Thermoplastic-Vulcanizate-TPV.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.027 - 0.029 cm/cm @Thickness 3.17 mm	0.027 - 0.029 in/in @Thickness 0.125 in	Direction of Flow; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	3.20 MPa	464 psi	chs 2.0 in/min; ASTM D638
Elongation at Break	415 %	415 %	chs 2.0 in/min; ASTM D638
Compression Set	30 % @Temperature 25.0 °C, Time 79200 sec	30 % @Temperature 77.0 °F, Time 22.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 1.47 mm	HB @Thickness 0.0580 in	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China