

## ExxonMobil Geolast® 701-87W183 Thermoplastic Elastomer

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

### Material Notes:

A hard, black, oil resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good hot air and hot oil resistance for use in a wide range of applications. This grade of Geolast TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and completely recyclable. Recyclable. Designed for improved fluid resistance. Information provided by Advanced Elastomer Systems

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Geolast-701-87W183-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_ExxonMobil-Geolast-701-87W183-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.01 g/cc	1.01 g/cc	23°C; ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	Air at 257°F, 168 hr; ASTM D573
	84	84	.12 in; ASTM D2240
Tensile Strength at Break	7.4967 MPa	1087.3 psi	257°F, 70 hr in IRM 903 Oil; ASTM D471
	9.03 MPa	1310 psi	Across Flow; ASTM D412
	10.387 MPa	1506.5 psi	Air at 257°F, 168 hr; ASTM D573
Tensile Strength, Ultimate	5.03 MPa	730 psi	Across Flow; ASTM D412
Elongation at Break	227.7 %	227.7 %	257°F, 70 hr in IRM 903 Oil; ASTM D471
	244.2 %	244.2 %	Air at 257°F, 168 hr; ASTM D573
	330 %	330 %	Across Flow; ASTM D412
Tear Strength	34.0 kN/m	194 pli	73°C, Die C; ASTM D624
Compression Set	39 %	39 %	158°F, 22 hr; ASTM D395
	50 %	50 %	257°F, 70 hr; ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-35.0 °C	-31.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Processing Temperature	175 - 230 °C	347 - 446 °F	

Processing Properties	Metric °C	English °F	Comments	
<b>Descriptive Properties</b>			<b>Value</b>	<b>Comments</b>
Change in Mass in IRM 903 Oil at 257°F for 70 hr			0.48	
Color			Black	
Form			Pellets	

## 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