

Greene Tweed Avalon[®] 16 PTFE, Glass, Molybdenum Filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

Material Notes:

Products made from Avalon[®] thermoplastics are constructed from proprietary high-performance reinforced PTFE material. Greene, Tweeds Avalon thermoplastics, available in grades ranging from virgin to reinforced, exhibit low friction while being chemically inert. Avalon thermoplastics can be custom designed to for each unique application. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Avalon-16-PTFE-Glass-Molybdenum-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.27 g/cc	2.27 g/cc	ASTM D792
Deformation	20 %	20 %	2000 psi 78 [°] F; ASTM D621
	30 %	30 %	1000 psi 300 [°] F; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Yield	19.48 MPa	2825 psi	ASTM D1457
Elongation at Break	247 %	247 %	ASTM D1457
Compressive Strength	26.2 MPa	3800 psi	ASTM D695
Shear Strength	14.5 MPa	2100 psi	ASTM D732
	@Temperature 149 [°] C	@Temperature 300 [°] F	
	15.9 MPa	2300 psi	ASTM D732
	@Temperature 93.3 [°] C	@Temperature 200 [°] F	
	17.6 MPa	2550 psi	
@Temperature 65.6 [°] C	@Temperature 150 [°] F		
19.3 MPa	2800 psi	ASTM D732	
@Temperature 37.8 [°] C	@Temperature 100 [°] F		
20.0 MPa	2900 psi	ASTM D732	
@Temperature 26.7 [°] C	@Temperature 80.0 [°] F		
Coefficient of Friction, Static	0.10	0.10	33.3 psi

Mechanical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
Color	Dark Gray to Black	

Contact Songhan Plastic Technology Co.,Ltd.

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