

Avalon 69

Polytetrafluoroethylene
Greene, Tweed & Co.

Message:

Avalon 69 is a Polytetrafluoroethylene (PTFE) product filled with carbon fiber and filler. It is available in North America.

General Information			
Filler / Reinforcement		Carbon Fiber Filler	
Appearance		Black	
Forms		Pellets	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm ³	ASTM D1457
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.8	MPa	ASTM D1457
Tensile Elongation (Yield)	300	%	ASTM D1457
Shear Strength			ASTM D732
27°C	15.9	MPa	
93°C	12.4	MPa	
121°C	12.1	MPa	
149°C	11.4	MPa	
204°C	10.3	MPa	
Coefficient of Friction			
-- ¹	0.12		
vs. Itself - Static ²	0.090		
Deformation Under Load (26°C, 14 MPa)	1.20	%	ASTM D621
Wear Factor	2.0	10 ⁻⁸ mm ³ /N·m	ASTM D3702
NOTE			
1.	33.3 psi, 150 fpm		
2.	33.3 psi		

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Recommended distributors for this material

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