

Avalon 01

Polytetrafluoroethylene
Greene, Tweed & Co.

Message:

Avalon 01 is a polytetrafluoroethylene (PTFE) product. It is available in North America.

General Information			
Appearance	White		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.17	g/cm³	ASTM D1457
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D1457
Tensile Elongation (Yield)	350	%	ASTM D1457
Shear Strength			ASTM D732
27°C	25.5	MPa	ASTM D732
38°C	20.7	MPa	ASTM D732
66°C	16.5	MPa	ASTM D732
93°C	14.8	MPa	ASTM D732
149°C	14.5	MPa	ASTM D732
204°C	13.1	MPa	ASTM D732
Coefficient of Friction			
With self-dynamics ¹	0.080		
With Self-Static ²	0.050		
Deformation Under Load (26°C, 14 MPa)	7.00	%	ASTM D621
Wear Factor	5000	10 ⁻⁸ mm³/N·m	ASTM D3702
NOTE			

1.	33.3 psi, 150 fpm
2.	33.3 psi

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