

# Avalon 89

Polytetrafluoroethylene

Greene, Tweed & Co.

## Message:

Avalon 89 is a Polytetrafluoroethylene (PTFE) product filled with carbon fiber and filler. It is available in North America. Primary characteristic: lubricated.

General Information			
Filler / Reinforcement	Carbon Fiber Filler		
Additive	Lubricant		
Features	Lubricated		
Appearance	Black Brown		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.95	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65 to 70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	15.2	MPa	ASTM D4745
Tensile Elongation (Break)	190	%	ASTM D4745
Shear Strength			ASTM D732
27°C	19.0	MPa	
66°C	17.6	MPa	
93°C	17.2	MPa	
121°C	14.8	MPa	
149°C	14.1	MPa	
204°C	14.1	MPa	
Coefficient of Friction			ASTM D3702
vs. Itself - Dynamic	0.24 to 0.30		
vs. Itself - Static	0.11 to 0.22		
Deformation Under Load (26°C, 14 MPa)	2.50	%	ASTM D621
Wear Factor	1.8	10 <sup>-8</sup> mm <sup>3</sup> /N·m	ASTM D3702

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Recommended distributors for this material

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