

# Avalon 87

Polytetrafluoroethylene

Greene, Tweed & Co.

## Message:

Sanitary gaskets made from Avalon® 87 provide a level of performance superior to other PTFE materials found in the pharmaceutical and hygienic fluid handling industries. Avalon 87 uses the latest generation modified PTFE, and its GRAS (generally regarded as safe) filler system is optimized for maximum reinforcement and compressive strength. Avalon 87 is designed for applications requiring a PTFE compound. With its low-wear characteristics, Avalon 87 works well in highly abrasive sealing environments where standard PTFE or other materials suffer from erosion. Avalon 87 is available in all sanitary gasket sizes, as well as custom shapes.

General Information			
Additive	Unspecified Additive		
Features	Good Abrasion Resistance		
	Good Compressive Strength		
	Good Creep Resistance		
	Good Wear Resistance		
Uses	Pharmaceuticals		
	Seals		
Agency Ratings	FDA Unspecified Rating		
	USP Class VI		
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.19	g/cm <sup>3</sup>	ASTM D1457
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.1	MPa	ASTM D1457
Tensile Elongation (Yield)	370	%	ASTM D1457
Coefficient of Friction			
vs. Itself - Dynamic <sup>1</sup>	0.10		
vs. Itself - Static <sup>2</sup>	0.080		
Deformation Under Load (26°C, 14 MPa)	3.00	%	ASTM D621
Wear Factor	16	10 <sup>-8</sup> mm <sup>3</sup> /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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