

DeWAL DW 502

Polytetrafluoroethylene

DeWAL Industries

Message:

D/W 502 is a skived, tensilized PTFE (Polytetrafluoroethylene) film held to close tolerance on width and thickness. D/W 502 conforms to Mil-P-22241B. The tensilizing process yields a film with greatly enhanced tensile and dielectric strength. D/W 502 finds use in electrical applications where high temperature service rating and superior electrical properties are desired. Examples of electrical applications include capacitor films, harnesses for electrical wiring in automotive and aerospace applications, spacers for transformers and other electrical insulation applications where high dielectric strength and high temperature resistance are requisite.

General Information			
Features	Good Electrical Properties		
	High Heat Resistance		
	High Tensile Strength		
Uses	Aerospace Applications		
	Automotive Applications		
	Electrical/Electronic Applications		
	Electronic Insulation		
Forms	Film		
Physical	Nominal Value	Unit	
Thickness	50.8 to 127	nm	
Core ID	7.62	cm	
Maximum Roll OD	356	mm	
Width	6.35 to 508	mm	
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Yield)	124	MPa	ASTM D882
Tensile Elongation - MD (Break)	100	%	ASTM D882
Thermal	Nominal Value	Unit	
Continuous Use Temperature	260	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	160	kV/mm	ASTM D149

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