

DeWAL DW 220

Polytetrafluoroethylene

DeWAL Industries

Message:

A Skived PTFE film that is produced from a modified homopolymer PTFE resin containing <1% of a fully fluorinated comonomer. The incorporation of the comonomer yields a material with improved electrical and physical properties. This film can be thermally fused to itself. The modified homopolymer resin exhibits chemical resistance equivalent to that of a standard homopolymer PTFE. It's tensile strength is approximately 10% higher and the elongation is approximately 30% higher than for a standard homopolymer PTFE.

With its ability to be heat fused, this film finds applications in the convoluted PTFE hose industry as a inner liner material.

General Information			
Features	Good Chemical Resistance		
	Good Electrical Properties		
	High Elongation		
	High Tensile Strength		
	Homopolymer		
Uses	Film		
	Hose		
	Liners		
Forms	Film		
Physical	Nominal Value	Unit	
Thickness	25.4 to 1020	nm	
Core ID	7.62	cm	
Maximum Roll OD	356	mm	
Width	6.35 to 1140	mm	
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Yield)	24.8	MPa	ASTM D882
Tensile Elongation - MD (Break)	250	%	ASTM D882
Thermal	Nominal Value	Unit	
Continuous Use Temperature	260	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	98	kV/mm	ASTM D149

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