

# DeWAL DW 203

Polytetrafluoroethylene

DeWAL Industries

Message:

D/W 203 is an unsintered PTFE (Polytetrafluoroethylene) film used primarily for electrical insulation, particularly for wire and cable applications. The polymer is fibrillated giving good strength in the machine direction. It has the inherent benefits of PTFE: exceptional chemical resistance, extreme temperature range from 450F to +500F, low coefficient of friction, excellent drape characteristics and non-stick properties. D/W 203 is used in cable insulation, harness wrap, and as the dielectric medium in coaxial cables. Once sintered, it seals completely to provide excellent electrical insulating properties, unsurpassed chemical resistance and excellent thermal resistance. DeWAL's unsintered PTFE tape has good drape characteristics allowing it to conform smoothly to complicated shapes. D/W 203 can be used for gaskets, expansion joints, valve seals and diaphragm applications. It is available unpigmented and pigmented to match EIA colors. It has good strength after sintering and is used where chemical inertness and high temperature resistance are needed.

General Information			
Features	Electrically Insulating		
	Good Chemical Resistance		
	Good Strength		
	High Heat Resistance		
	Low Friction		
	Non-Stick		
Uses	Cable Jacketing		
	Diaphragms		
	Electronic Insulation		
	Film		
	Gaskets		
	Seals		
Wire & Cable Applications			
Appearance	Colors Available		
Forms	Film		
Physical	Nominal Value	Unit	
Specific Gravity	1.50	g/cm <sup>3</sup>	
Thickness	50.8 to 508.0	µm	
Backing Material	Extruded PTFE Film		
Core ID	7.62	cm	
Maximum Roll OD	279	mm	
Width	12.7 to 279	mm	
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD			ASTM D882
Yield,51 µm	12.4	MPa	
Yield,130 µm	10.3	MPa	

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#### Recommended distributors for this material

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