

DeWAL DW 105

Polytetrafluoroethylene

DeWAL Industries

Message:

DW 105 is a skived general grade filled PTFE film product. This product can be surface treated for bonding as needed.

Applications for DW 105 are in the industrial and chemical hose industry as well as other mechanical applications where the addition of fillers will increase the life of a PTFE product. Another market that is served with DW 105 is the wire & cable market where conductive filled films are sometimes used.

General Information			
Filler / Reinforcement	Filler		
Features	Conductive		
Uses	Film		
	Hose		
	Industrial Applications		
	Wire & Cable Applications		
Forms	Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.12 to 2.17	g/cm ³	ASTM D792
Thickness	38.1 to 1020	nm	
Conductivity (1.91 cm)	2.50E-5	V/ohms	ASTM D257
Backing Material	Skived Conductive PTFE Film		
Core ID	7.62	cm	
Core Type	Cardboard or Plastic		
Width	6.35 to 305	mm	
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD (Yield)	17.2	MPa	ASTM D882
Tensile Elongation - MD (Break)	130	%	ASTM D882
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	ASTM D257

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