

DeWAL[®] DW105 Skived Carbon-Filled PTFE Film

DeWAL[®] DW105 is a skived carbon-filled PTFE film product that can be surface treated for bonding as needed.

Applications:

• In the industrial and chemical hose industry where the addition of fillers will increase the life of a PTFE product

VALUE

• In the wire and cable market where conductive films are used

PROPERTY

PHYSICAL

Base Film		Skived Conductive PTFE film
Density, g/cc	ASTM-D792	2.2
Thickness, mm (inches)	ASTM-D374	0.05 – 1.0 (0.002 - 0.04)
Tensile Strength, MPa (psi)	ASTM-D6040/882 @ 0.01"	26.5 (3850)
Peak Elongation, %	ASTM-D6040/882 @ 0.01"	335
Surface Resistivity, ohms/sq	ASTM-D257	<1,000,000
Conductivity, Min. micro amps	ASTM-D257 and DTM 01-000-25	25
Maximum Operating Temperature, °C, (°F)		260 (500)

TEST METHOD

PRODUCT DIMENSIONS	METRIC	ENGLISH
Maximum Width mm, inches	457	18
Core Diameter mm, inches	76.2	3
Max Roll OD cm, inches	35.5	14

All metric conversions are approximate. Additional technical information is available. Typical values should not be used for specification limits.



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