

DeWAL® DW716-2HD

DeWAL® DW 716-2HD is a pressure sensitive tape using a tensilized skived PTFE film coated with a high temperature acrylic adhesive. The tensilized film provides higher tensile strength, lower elongation, and higher dielectric strength than a regular skived film. DW 716-2HD will remove cleanly at elevated temperatures and has good solvent resistance. This product passed all low outgassing requirements as stated in ASTM E-595.

Features & Benefits:

- High tensile strength
- High dielectric strength
- Extremely high temperature resistance
- Removes cleanly at elevated temperatures

Applications:

- Aircraft applications
- Composite bonding shops
- "Tool Coat" that provides a release surface on the composite tool

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material		---	PTFE Film
Backing Thickness, mm (inches)		0.043 – 0.058 (0.0017 – 0.0023)	---
Adhesive System		---	Acrylic
Adhesive Thickness, mm (inches)		0.030 – 0.046 (0.0012 – 0.0018)	---
Adhesion, g/cm (oz./in)	ASTM D-1000	190 – 268 (17 – 24)	223 (20)
Tensile Strength, MPa (PSI)	ASTM-D 3759	96 – 133 (13,909 – 19,269)	121 (17,535)
Elongation, %	ASTM-D 3759	116 – 182	147
Dielectric Strength, Volts/mil	ASTM-D 149	5,200 – 6,680	6,025
Outgassing	ASTM-E 595		Pass
FTIR	No traceable amounts of silicone		Pass
Maximum Operating Temperature, C° (F°)			176 (350)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Width mm, inches	6.35 – 546	0.25 – 21.5
Core Diameter mm, inches	76	3
Roll Length m, yards	33	36

*Typical values shown are from testing at date of manufacture and should not be used for specification limits.

- Additional technical information and product specifications are available upon request.
- Shelf life is 1 year from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.