



DW FST

PTFE Tape

DeWAL® DW FST is a pressure sensitive tape using highly tensilized skived PTFE film with high temperature silicone adhesive. The tensilized film in FST has the highest per unit tensile strength, toughness, and temperature resistance of any DeWAL PTFE product.

Applications:

- Roller wrap and tooling protection in high speed, high temperature flat die extrusion of polyethylene coatings and laminations

Industry(s):

- Mechanical

Features and Benefits

- High tensile strength
- High temperature resistance
- Excellent chemical resistance

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	129 / 18769	MPa / psi	ASTM-D3759
Elongation	140	%	ASTM-D3759
Dielectric Strength	1316.1 / 3343	kV/cm / V/mil	ASTM D149
Adhesion to Steel	390 / 35	g/cm / oz/in	ASTM-D 1000
Color	Purple	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	PTFE Film	N/A	N/A
Substrate Thickness	0.0635 / 0.0025	mm / in	N/A
Adhesive System	Silicone	N/A	N/A
Adhesive Thickness	0.043 / 0.0017	mm / in	N/A
Overall Thickness	0.1067 / 0.0042	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	546.1 / 21.5	mm / in	N/A
Heat and Flame	Typical Value	Units	Test Method
Max Operating Temp.	260 / 500	°C / °F	N/A
Processing & Packaging	Typical Value	Units	Test Method
Shelf Life	18	Months from DOM	N/A
Shelf Life Storage Temp.	21 / 70	°C / °F	N/A
Roll Length	33 / 36	m / yd	N/A
Standard Core Type	Plastic	N/A	N/A
Core Diameter	76 / 3	mm / in	N/A
Standard Liner	Self Wound	N/A	N/A

- 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 18 months from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.



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