



DW664

PTFE Tape

DeWAL® DW664 is a pressure sensitive tape using a highly tensilized PTFE film coated with a high temperature silicone adhesive. The orange tensilized film is combined with a unique filled composition to enhance the performance characteristics that are similar to an extruded PTFE tape.

Applications:

- Roller wrap and tooling protection in high speed, high temperature flat die extrusion of polyethylene coatings and laminations
- Other applications within aircraft maintenance markets

Industry(s):

- Aerospace
- Mechanical

Features and Benefits

- Extremely high tensile strength
- Increased wear properties
- High temperature resistance

Basic Physical Properties		Typical Value	Units	Test Method
Tensile Strength		71 / 10319	MPa / psi	ASTM-D3759
Elongation		211	%	ASTM-D3759
Adhesion to Steel		446 / 40	g/cm / oz/in	ASTM-D 1000
Color		Orange	N/A	N/A
Construction		Typical Value	Units	Test Method
Substrate		PTFE Film	N/A	N/A
Substrate Thickness		0.1016 / 0.004	mm / in	N/A
Adhesive System		Silicone	N/A	N/A
Adhesive Thickness		0.038 / 0.0015	mm / in	N/A
Overall Thickness		0.1397 / 0.0055	mm / in	ASTM-D374
Min Width		12.7 / 0.5	mm / in	N/A
Max Width		572 / 22.5	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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