



DW750-20

UHMW Tape

DeWAL® DW750-20 is a pressure sensitive tape produced from a black Ultra High Molecular Weight Polyethylene (UHMW) film that is coated with an aggressive acrylic adhesive system. The UHMW film provides an excellent low friction, non-stick surface that is in many ways similar to PTFE. The UHMW backing has a high tensile strength and is very abrasion resistant.

Applications:

- Buzz, squeak, and rattle applications in the automotive industry
- Various mechanical applications
- Chute liners, wear pads, and guide rails

Industry(s):

- Automotive
- Mechanical

Features and Benefits

- Low friction
- Non-stick surface
- High tensile strength
- Very tough & abrasion resistant

Basic Physical Properties	Typical Value	Units	Test Method
Tensile Strength	45 / 6495	MPa / psi	ASTM-D3759
Elongation	441	%	ASTM-D3759
Adhesion to Steel	770 / 69	g/cm / oz/in	ASTM-D 1000
Color	Black	N/A	N/A
Construction	Typical Value	Units	Test Method
Substrate	Black UHMW-PE Film	N/A	N/A
Substrate Thickness	0.508 / 0.02	mm / in	N/A
Adhesive System	Acrylic	N/A	N/A
Adhesive Thickness	0.058 / 0.0023	mm / in	N/A
Overall Thickness	0.5664 / 0.0223	mm / in	ASTM-D374
Min Width	6.35 / 0.25	mm / in	N/A
Max Width	660.4 / 26	mm / in	N/A
Heat and Flame	Typical Value	Units	Test Method
Max Operating Temp.	93 / 200	°C / °F	N/A
Processing & Packaging	Typical Value	Units	Test Method
Shelf Life	24	Months from DOM	N/A
Shelf Life Storage Temp.	21 / 70	°C / °F	N/A
Roll Length	16 / 18	m / yd	N/A
Standard Core Type	Plastic	N/A	N/A
Core Diameter	76 / 3	mm / in	N/A
Standard Liner	Blue Polyester	N/A	N/A
Taber Abrasion Test Data	Typical Value	Units	Test Method
Weight Loss	0.016 / 0.000035	g / lbs	Taber Abrasion Test
Change Percent	0.37	%	Taber Abrasion Test

- 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 24 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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