

DeWAL® DW750-5

DeWAL® DW 750-5 is a pressure sensitive tape produced from black Ultra-High Molecular Weight polyethylene (UHMW-PE) that is coated with an aggressive acrylic adhesive system. The UHMW film provides an excellent low friction, non-stick surface, in many ways similar to PTFE, and also has a very high tensile strength that is very tough and abrasion resistant.

Features & Benefits:

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

Applications:

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

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material		---	Black UHMW-PE Film
Backing Thickness, mm (inches)		0.114 – 0.140 (0.0045 – 0.0055)	---
Adhesive System		---	Acrylic
Adhesive Thickness, mm (inches)		0.051 – 0.066 (0.0020 – 0.0026)	---
Adhesion, g/cm (oz./in)	ASTM D-1000	569 - 1,093 (51 - 98)	848 (76)
Tensile Strength, MPa (psi)	ASTM D-3759	45 - 57 (6,606 - 8,341)	52 (7,520)
Elongation, %	ASTM D-3759	285 - 398	341
Maximum Operating Temperature, C° (F°)			93 (200)

TABER ABRASION TEST DATA	TEST METHOD	DATA RANGE	TYPICAL VALUE*
Weight Loss, g	A sample underwent 1000 cycles against two different Taber Abrasion Wheels. Based off of ASTM D3489-17 method for polyurethanes	0.016 - 0.020	0.018
Change, %		-1.06 to -1.07	-1.065

PRODUCT DIMENSIONS	METRIC	ENGLISH
Width mm, inches	6.35 – 660	0.25 – 26
Core Diameter mm, inches	76	3
Roll Length m, yards	16	18

*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.