

DeWAL® DW403-20

DeWAL® DW403-20 is a pressure sensitive tape using Ultra-High Molecular Weight Polyethylene (UHMW) film with an aggressive elastomeric adhesive. The UHMW film provides an excellent low friction, non-stick surface, in many ways similar to PTFE. The film is very tough, abrasion resistant and has a high tensile strength.

Features & Benefits:

- Low Friction
- Non-stick surface
- High tensile strength
- Abrasion resistant

Applications:

- Mechanical applications
- Chute liners
- Wear pads
- Guide rails

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Backing Material		---	UHMW Film
Backing Thickness, mm (inches)		0.470 - 0.546 (0.0185 - 0.0215)	---
Adhesive System		---	Elastomeric
Adhesive Thickness, mm (inches)		0.107 - 0.142 (0.0042 - 0.0056)	---
Adhesion, g/cm (oz./in)	ASTM-D1000	926 - 1,618 (83 - 145)	1,272 (114)
Tensile Strength, MPa (psi)	ASTM D-3758	40 - 56 (5,900 - 8,135)	46 (6,718)
Elongation, %	ASTM D-3758	405 - 600	480
Maximum Operating Temperature, C° (F°)			93 (200)

TABER ABRASION TEST DATA	TEST METHOD	DATA RANGE	TYPICAL VALUE*
Weight Loss, g	A 1000g sample underwent 1000 cycles against two different Taber Abrasion Wheels. Based off of ASTM D3489-17 method for polyurethanes	0.023 - 0.026	0.025
Change, %		-0.54 to -0.60	-0.57

PRODUCT DIMENSIONS	METRIC	ENGLISH
Width mm, inches	6.35 - 660.4	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.