

## DeWAL<sup>®</sup> DW405BNC

DeWAL<sup>®</sup> DW405BNC is a skived Ultra-High Molecular Weight Polyethylene (UHMW) that has been compounded with a small amount of carbon to render it black. The carbon type and level make the material black in color but not conductive. The carbon also provides UV resistance.

Features & Benefits:

- High abrasion resistance
- High chemical resistance
- Low coefficient of friction
- UV resistant

Applications:

- Anti-squeak tape for automotive applications
- Outer covering on hoses for severe applications
- Mechanical applications

PROPERTY	TEST METHOD	DATA RANGE	<b>TYPICAL VALUE*</b>
PHYSICAL			
Base Film			UHMW Film
Density, g (cc)	ASTM-D792	0.92 - 0.94	0.93
Tensile Strength, MPa (psi)	ASTM-D882 @ 0.20 mm (0.008")	44 - 59 (6,440 - 8,526)	52 (7,485)
Elongation, %	ASTM-D882 @ 0.20 mm (0.008")	324 - 490	414
Maximum Operating Temperature, C° (F°)			93 (200)

TABER ABRASION TEST DA	TA TEST METHOD	DATA RANGE	TYPICAL VALUE*
Weight Loss, g	A 1000g 0.51mm thick sample underwent	0.013 - 0.019	0.016
Change, %	Abrasion Wheels. Based off of ASTM D3489-17 method for polyurethanes	-0.30 to -0.44	-0.37
PRODUCT DIMENSIONS	METRIC	ENGLISH	
Thickness mm, inches	0.076 – 1.016	0.003 – 0.040	
Maximum Width mm, inche	s 6.35 - 1397	0.25 - 55	
Core Diameter mm, inches	76	3	
Maximum Roll O.D. mm, inc	hes 355.6	1	4

\*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.

- All metric conversions are approximate.



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