

DeWAL® DW406WF

DeWAL® DW406WF is a white skived Ultra-High Molecular Weight (UHMW) polyethylene film. The TiO₂ filler renders the material pigmented white.

Features & Benefits:

- High abrasion resistance
- High chemical resistance
- Low coefficient of friction
- FDA compliance to 21CFR 177.1520

Applications:

- Inner & outer surfaces of potable water
- Outer covering on hoses for severe applications
- Chemical, fuel, and hydraulic hoses

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Base Film		---	TiO ₂ Filled UHMW Film
Density, g/cc	ASTM D-792	0.91 – 0.94	0.93
Tensile Strength, MPa (psi)	ASTM D-882 @ 0.008" thick	41.5 - 50.4 (6,013 - 7,316)	45.9 (6,653)
Elongation, %	ASTM D-882 @ 0.008" thick	326 - 440	389
Maximum Operating Temperature, C° (F°)			93 (200)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Thickness mm, inches	0.127 – 1.016	0.005 – 0.040
Maximum Width mm, inches	6.35 - 762	0.25 - 30
Core Diameter mm, inches	76	3
Maximum Roll O.D. mm, inches	356	14

*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.