

DeWAL® DW612 Dynaglide® PTFE Materials

DeWAL® DW612, part of the Dynaglide® family, is a filled PTFE compound that uses a very special grade of graphite. Black in color, DW612 exhibits excellent friction and wear properties. The thickness range for this product is 0.25mm to 1.6mm (0.010" to 0.064").

Features & Benefits:

- Non-stick surface, low friction
- Excellent chemical and temperature resistance
- Excellent wear properties

Applications:

- Bearing and seal applications
- Soft mating surfaces such as steel, bronze, and aluminum

PROPERTY	TEST METHOD	DATA RANGE	TYPICAL VALUE*
PHYSICAL			
Base Film		---	Graphite filled PTFE
Density, gm/cc	ASTM-D 792	2.11 - 2.17	2.14
Tensile Strength, MPa (PSI)	ASTM-D 882	14 - 17 (2,032 - 2,471)	16 (2,358)
Elongation, %	ASTM-D 882	150 - 294	198
Maximum Operating Temperature, C° (F°)		---	260 (500)

PRODUCT DIMENSIONS	METRIC	ENGLISH
Thickness, inches, mm, inches	0.25 - 1.6	0.010 - 0.064
Maximum Width, mm, inches	12.7 - 305	0.5 - 12
Core Diameter mm, inches	76	3
Maximum Roll O.D. mm, inches	355	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.