



Spec. No.: AWC640
 Rev: D
 Effective Date: 05/31/06
 Page: 1 of 1

TITLE: AWC640 (Polyester Resin – Graphite Lubricant)

Typical Material Characteristics

Material: AWC640 – Polyester Resin (Graphite Lubricant)

PROPERTY	TEST METHOD	BRITISH	METRIC
Specific Gravity	ASTM D792	1.3	1.3
Tensile Strength	ASTM D638	4,200 psi	29.0 MPa
Tensile Elongation	ASTM D638	10%	10%
Compressive Strength- Parallel to Laminates			
Ultimate	ASTM D695	24,000 psi	165.5 MPa
Compressive Strength-Perpendicular to Laminates			
Ultimate	-	60,000 psi	413.7 MPa
Coefficient of Friction			
Dry	-	0.15	0.15
Wet	-	-	-
Continuous Service Temperature			
Maximum	-	266°F	130°C
Minimum	-	cryogenic	
Water Absorption Immersion, 24 Hours	ASTM D570	<0.1 %	<0.1 %
Water Absorption Immersion, Saturation	ASTM D570	<0.1 %	<0.1 %
Impact Strength-Notched	ASTM D256	>18.4 ft. lb/in	-

Note: The material properties were obtained under controlled laboratory conditions. The data and information are intended as only a guide to be used at your discretion and risk. A.W. Chesterton specifically disclaims any and all direct and indirect damages or losses resulting from the use of any information, data, or products described.