



Spec. No.: AWC860

Rev: D

Effective Date: 12/16/2014

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**TITLE: AWC860 (Cherry Polymer)**

## Material Specification

### Typical Material Characteristics

**Material: AWC860 -- High Temperature Polyurethane**

PROPERTY	TEST METHOD	BRITISH	METRIC
<b>Tensile Strength</b>	ASTM D-412	6,180 psi	42.6 MPa
<b>100% Modulus</b>	ASTM D-412	1,590 psi	10.9 MPa
<b>300% Modulus</b>	ASTM D-412	2,140 psi	14.8 MPa
<b>Elongation at Break</b>	ASTM D-412	540%	540%
<b>Specific Gravity</b>	ASTM D-297	1.10	1.10
<b>Tear Strength (Die C)</b>	ASTM D-624	640 lb/in	112 kN/m
<b>Resilience (Rebound)</b>	ASTM D-2632	149%	149%
<b>Tabor Abrasion, 5000 cycle, 1000g Load, mg/loss cycle</b>	-	16	16
<b>Durometer, durometer A</b>	ASTM D-2240	95	95
<b>Upper Temperature Limit</b>	-	248°F	120°C
<b>Lower Temperature Limit</b>		-58°F	-50°C

**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.**