



P.O. Box 1128 • Marietta OH 45750
Phone: 740-374-3742 • Phone: 800-937-3746 • Fax: 740-374-6059

Typical Properties

ARC6604

Description: Nylon 6/6, Impact Modified, Lubricated

<u>Property</u>	<u>English Value</u>	<u>Test Reference</u>
Melt Point	494°F 257°C	ASTM D-789
Density	67.9 lb/ft ³ 1.09 gm/cm ³	ASTM D-792
Tensile Strength	7.5 x 10 ³ psi 51 MPa	ASTM D-638
Elongation	65%	ASTM D-638
Flexural Modulus	2.5 x 10 ⁵ psi 1720 MPa	ASTM D-790
Flexural Strength	10.0 x 10 ³ psi 69 MPa	ASTM D-790
Notched Izod	3.0 ft-lb/in. 163 J/m	ASTM D-256
Shrinkage	.014-.019 in/in	
Deflection Temp. @ 264 psi	165°F 74°C	ASTM D-648
Deflection Temp. @ 66 psi	430°F 221°C	ASTM D-648

Properties indicated above are for natural color resins, dry as molded. Addition of colorants or additives may alter or degrade these properties.

The test results are believed to be based on reliable procedures. Due to variable conditions or methods of processing. NO GUARANTEES OR WARRANTIES ARE EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY FOR PARTICULAR PURPOSE. The above information is not to be construed as a license or a recommendation to infringe on any patents.