



Hylon[®] N1043THLBK Resin



Product Attributes

- Good Impact
- Superior Toughness
- High Stiffness
- Chemical Resistance
- Heat Resistance

Military Gun Ship Munitions Holder, 50 Caliber Shells

PROPERTY	METHOD	UNIT	VALUES
PHYSICAL			
Specific Gravity	ASTM D792	-	1.44
Water Absorption (24 - Hr Immersion)	ASTM D570	%	-
Mold Shrinkage (Flow Direction)	ASTM D955	In/in X 10 ⁻³	-
MECHANICAL @ 73°F			
Tensile Strength	ASTM D638	psi <i>MPa</i>	22,000 152
Elongation	ASTM D638	%	2.2
Flexural Modulus	ASTM D790	psi <i>MPa</i>	1,400,000 9,655
Flexural Strength	ASTM D790	psi <i>MPa</i>	37,000 255
Izod Impact Strength (Notched)	ASTM D256	ft-lb/in <i>J/m</i>	2.8 150
Hardness (Rockwell)	ASTM D795	-	-
THERMAL			
Heat Deflection Temperature:	ASTM D648		
66 psi		°F	-
0.46 Mpa		°C	-
264 psi		°F	-
1.82 Mpa		°C	-
Melting Point	ASTM D789	°F	489
		°C	254
FLAME CLASS RATING *			
UL94 HB (Min. Tested Thickness)	UL 94	In (mm)	-
UL 94 V-2 (Min. Tested Thickness)	UL 94	In (mm)	-

†The data listed here fall within the normal range of product properties, but they should not be used to establish specification limits or used alone as a basis for design. This information is not intended as a warranty of any kind. Buyers must make their own representative test and assume all risks of use, whether used alone or in combination with other products. Entec Polymers, LLC assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products. All warranties expressed or implied including warranties of merchantability for a particular purpose or use are excluded and disclaimed. Entec Polymers, LLC assumes no liability for use of products in infringement of any patent. The foregoing limitation of remedy and exclusion of liability is reflected in and is part of the consideration for the price at which the products are sold by Entec Polymers, LLC. All data displayed herein has been obtained via testing of injection-molded specimens of natural color. Pigmentation may affect certain properties to various degrees.

