



**Custom Resins ALM Polymeric Resources**

55 Haul Road Wayne, NJ 07470 (973) 694-4141 fax (973) 831-8327  
 PO Box 46 Henderson, KY. 42420 (270) 826-7641 fax (270) 827-8509

## NYLENE<sup>®</sup> 5233 HS

Nylene 5233 HS is a 33% glass fiber reinforced heat stabilized nylon 6 injection molding resin. Nylene 5233 HS has the high heat and chemical resistance inherent in nylon type resins, along with higher strength and stiffness due to glass fiber reinforcement. 5233 HS has excellent surface appearance when processed in a warm mold. 5233 HS is suitable for brackets, levers, handles, enclosures, and other applications where high physical properties combined with good appearance are required.

PROPERTY	TEST METHOD	UNITS	DAM
Specific Gravity	D792		1.37
Melt Point	D3418	°F °C	420 215
Viscosity			
Tensile Strength	D638	psi MPa	23,500 162
Elongation	D638	%	3
Flexural Modulus	D790	psi MPa	1,350,000 9310
Notched Izod @ 23 °C	D256	ft. lb./ in. J/m	2.1 112
Notched Izod @ -40 °C	D256	ft. lb./ in. J/m	
DTUL @ 264 psi/1.82 MPa	D648	°F °C	410 210
DTUL @ 66 psi/0.45 MPa	D648	°F °C	
Mold Shrinkage		in/in	0.003
Automotive Approvals			MS-DB41 CPN 3465
UL Flammability Rating	See Flammability brochure for specific colors		

All values are for dry as molded specimens. The data set forth herein has been carefully compiled by Custom Resins. Values shown are typical properties and are not for specification. Since processing variables will affect properties, the reproducibility of our data in a customer's facility is not guaranteed. There is no warranty of any kind either expressed or implied, applicable to the use of this information, and the user assumes all risk and liability in connection therewith.