



Custom Resins ALM Polymeric Resources

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NYLENE® 401

Nylene 401 a general purpose un-reinforced nylon 6 injection molding resin. Nylene 401 has high flow characteristics at minimal processing temperatures. Nylene 401 is suitable for applications in both thin and heavy sections that require typical nylon characteristics and easy molding.

PROPERTY	TEST METHOD	UNITS	DAM
Specific Gravity	D792		1.14
Melt Point	D3418	°F °C	
Viscosity			
Tensile Strength	D638	psi MPa	11,500
Elongation	D638	%	50
Flexural Modulus	D790	psi MPa	390,000
Notched Izod @ 23 °C	D256	ft. lb./ in. J/m	0.8
Notched Izod @ -40 °C	D256	ft. lb./ in. J/m	
DTUL @ 264 psi/1.82 MPa	D648	°F °C	154
DTUL @ 66 psi/0.45 MPa	D648	°F °C	360
Mold Shrinkage		in/in	
Automotive Approvals			
UL Flammability Rating	See Flammability brochure for specific colors		94V-2 @ 0.058"

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.