

Manufacturer



General Description

- 14% glass fiber reinforced, impact modified, heat stabilized nylon 6/6
- Improved strength and stiffness over un-reinforced nylons, and improved impact resistance over typical reinforced grades, especially in dry conditions
- Suitable for handles, levers, support brackets, and other applications which require this unique blend of properties

Properties

Physical Properties	Test Method	Units	DAM
Specific Gravity	D792		1.19
Mold Shrinkage		in/in	0.006

Mechanical Properties	Test Method	Units	DAM
Tensile Strength	D638	psi MPa	11,400 (79)
Elongation	D638	%	12
Flexural Modulus	D790	psi MPa	500,000 (3,450)
Notched Izod @ 23 °C	D256	ft. lb./ in. J/m	1.3 (70)

Thermal Properties	Test Method	Units	DAM
DTUL @ 264 psi/1.82 MPa	D648	°F °C	405 (207)
Melt Point	D3418	°F °C	498 (259)

Approvals and Classifications	Approval	Rating
Automotive Approvals		ESA-M4D553-A WSK-M4D591-A

Testing conducted on dry-as-molded specimens at 73°F

Notes

All values are for dry as molded specimens. The data set forth herein has been carefully compiled by Polymeric Resources Corporation. 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.

Issued: 2009/09/22