

Manufacturer



General Description

- Heat stabilized, 13% glass fiber-reinforced nylon 6/6 featuring high tensile strength and stiffness
- The product is approved to Ford Motor Company specification ESE-M4D349-A
- The ASTM line call out is D4066 PA012G13

Properties

Physical Properties	Test Method	Units	DAM
Specific Gravity	D792		1.22
Mold Shrinkage		in/in	0.005

Mechanical Properties	Test Method	Units	DAM
Tensile Strength	D638	psi MPa	13,000 (90)
Elongation at Break	D638	%	7
Flexural Modulus	D790	psi MPa	695,000 (4,785)
Notched Izod @ 23 °C	D256	ft. lb./ in. J/m	0.9 (48)

Thermal Properties	Test Method	Units	DAM
DTUL @ 1820 kPa	D648	°F °C	420 (215)
DTUL @ 66 psi/0.45 MPa	D648	°F °C	496 (258)
Melt Point	D3418	°F °C	490 (254)

Approvals and Classifications	Approval	Rating
Natural @ 0.75 mm	UL 94	HB

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.

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