

Nylene® 6440 HS

Polyamide 66

Custom Resins Group

Message:

36% mineral reinforced, impact modified, heat-stabilized nylon 6/6

Used in applications where the dimensional stability and added stiffness are desired, but higher impact resistance is also needed

Has the heat and chemical resistance typical of nylon 6/6 materials

Suitable for housings and enclosures, brackets and fixtures, and other applications which require this unique set of properties

General Information			
Filler / Reinforcement	Mineral,36% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Stiffness		
	High Impact Resistance		
Uses	Housings		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	68.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	15	%	ASTM D638
Flexural Modulus (23°C)	4140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	174	°C	ASTM D648
Peak Melting Temperature	254	°C	ASTM D3418

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Recommended distributors for this material

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