

Nylene® 6111 HS

Polyamide 66

Custom Resins Group

Message:

40% mineral reinforced, impact modified, heat-stabilized nylon 6/6 injection molding grade

Designed for maximum dimensional stability and high stiffness characteristics, with slightly higher strength and stiffness than 6440. 6111 is suitable for such applications as housings, enclosures, stanchions, and engine covers

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Heat Stabilizer		
	Impact Modifier		
Features	Good Dimensional Stability		
	Heat Stabilized		
	High Stiffness		
	Impact Modified		
Uses	Housings		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	74.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	7.0	%	ASTM D638
Flexural Modulus (23°C)	4830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	124	°C	ASTM D648
Peak Melting Temperature	235	°C	ASTM D3418

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