



Oxnilon 6-60GF(DRY)

Product Description

60 Glass Fiber (60% Reinforced), Nylon 6 injection molding grade

Product Characteristics

Processing and Delivery Form	<ul style="list-style-type: none"> • Pellets • Injection Molding
Additives	<ul style="list-style-type: none"> • Release Agents • Lubricants • Heat Stabilizers
Test Standards Available	<ul style="list-style-type: none"> • ASTM
Special Characteristics	<ul style="list-style-type: none"> • Colors Available

Properties ¹

Physical	Nominal Values (English)	Test Method
Density -Specific Gravity	1.65 sp gr 23/23°C	ASTM D792
Mold Shrink, Linear-Flow (0.125 in)	0.002 in/in	ASTM D955
Water Absorption @ Sat.	4.5 %	ASTM D570

Mechanical	Nominal Values (English)	Test Method
Tensile Strength	30000 psi	ASTM D638
Tensile Elongation @ Brk	1.0 %	ASTM D638
Flexural Modulus	2,200,000 psi	ASTM D790
Flexural Strength	52,000 psi	ASTM D790

Impact	Nominal (English)	Test
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	Values	Method
Notched Izod Impact (0.125 in)	4.0 ft-lb/in	ASTM D256

Thermal	Nominal Values (English)	Test Method
DTUL @264psi - Unannealed	414 °F	ASTM D648

Additional Properties

Processing Information

Injection Molding Parameters	Nominal Values (English)	Test Method
Drying Temperature	190 °F	
Drying Time	4-6 hr	
Rear Temperature	500 to 550 °F	
Middle Temperature	520 to 570 °F	
Front Temperature	535 to 585 °F	
Processing (Melt) Temp	520to 570 °F	
Mold Temperature	150 to 255 °F	
Nozzle Temperature	535 to 585 °F	

Injection Notes

Notes