

DynaMix™ 2044-GBID

Polyamide

Polymer Dynamix

Message:

Glass Bead, Glass Fiber Filled Dimensionally Stable Nylon

Feature:

Excellent Chemical Resistance

Low Density

Good Dimensional Stability

Excellent Processability

Applications:

Automotive

Small Appliances

Industrial

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Low Density		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5170	MPa	ASTM D638
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 110	°C	
Drying Time	3.0 to 5.0	hr	

Rear Temperature	254 to 293	°C
Middle Temperature	260 to 293	°C
Front Temperature	266 to 293	°C
Nozzle Temperature	271 to 293	°C
Processing (Melt) Temp	271 to 293	°C
Mold Temperature	93.3 to 113	°C
Injection Rate	Slow-Moderate	
Screw Speed	20 to 100	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm ²

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