

DynaMix Lite™ 2244-GHI

Polyamide 12

Polymer Dynamix

Message:

Glass Filled Impact Modified Nylon 12

Features:

Excellent Processability

Low Density

Good Dimensional Stability

Excellent Chemical Resistance

Applications:

Automotive

Industrial

Small Appliances

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
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	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.25 to 0.45	%	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	8.5	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	140	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	440	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	4.0 to 8.0	hr	

Rear Temperature	238 to 260	°C
Middle Temperature	243 to 266	°C
Front Temperature	249 to 271	°C
Nozzle Temperature	243 to 266	°C
Processing (Melt) Temp	243 to 266	°C
Mold Temperature	54.4 to 82.2	°C
Injection Rate	Moderate-Fast	
Screw Speed	20 to 100	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm ²

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