

# DynaMix Lite™ 2244-T

Polyamide 12

Polymer Dynamix

Message:

Hollow Glass Bead Filled PA12

Features:

Excellent Processability

Low Density

Good Dimensional Stability

Excellent Chemical Resistance

Applications:

Automotive

Industrial

Small Appliances

General Information			
Filler / Reinforcement	Glass Bead		
Features	Good Dimensional Stability		
	Good Processability		
	Good Toughness		
	Low Density		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0 to 10	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Flexural Strength	46.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130 to 160	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	79.4 to 82.2	°C	
Drying Time	4.0 to 8.0	hr	
Rear Temperature	238 to 249	°C	
Middle Temperature	246 to 257	°C	

Front Temperature	254 to 266	°C
Nozzle Temperature	260 to 271	°C
Processing (Melt) Temp	260 to 266	°C
Mold Temperature	37.8 to 65.6	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm <sup>2</sup>

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