

DynaMix™ 2044-15GF

Polyamide 66

Polymer Dynamix

Message:

15% Glass Fiber Modified Nylon 66

Features:

Modified Flow for better weld line strength

Excellent Processability

Good Dimensional Stability

Applications:

Automotive

Electronics

Industrial

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Dimensional Stability		
	Good Flow		
	Good Processability		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	107	MPa	ASTM D638
Tensile Elongation (Break)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	4900	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	266 to 282	°C	
Middle Temperature	277 to 293	°C	
Front Temperature	282 to 299	°C	
Nozzle Temperature	282 to 299	°C	

Processing (Melt) Temp	277 to 299	°C
Mold Temperature	71.1 to 104	°C
Injection Rate	Moderate-Fast	
Screw Speed	40 to 70	rpm
Clamp Tonnage	4.1 to 6.9	kN/cm ²

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