DynaPath™ 167-20G

Polypropylene

Polymer Dynamix

Message:

20% Glass Filled Conductive PP
Features:
Good Processing
Dimensional Stability
Conductive
Applications:
Aerospace
Industrial
Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Conductive Good Dimensional Stability Good Processability		
Uses	Aerospace Applications Electrical/Electronic Applications Industrial Applications		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.14	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	31.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	483	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 1.0E+6	ohms	ASTM D257
Volume Resistivity	< 1.0E+6	ohms·cm	ASTM D257
Injection	**Nominal Value**	**Unit**	
Drying Temperature	48.9 to 60.0	°C	
Drying Time	2.0	hr	
Rear Temperature	191 to 210	°C	
Middle Temperature	196 to 221	°C	
Front Temperature	199 to 227	°C	

Nozzle Temperature	202 to 229	°C
Processing (Melt) Temp	199 to 221	°C
Mold Temperature	26.7 to 60.0	°C
Injection Pressure	34.5 to 55.2	MPa
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^2

Recommended distributors for this material

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