

EverGlide® SG5920

Polyamide 46

Polymer Dynamix

Message:

- RSI PA46 Compound
- Features:
 - Excellent Dimensional Stability
 - Durable Wear Characteristics
 - Retention of Physical Properties
- Applications:
 - Automotive
 - Aircraft applications
 - Industrial

General Information			
Features	Durable		
	Good Dimensional Stability		
Uses	Aircraft Applications		
	Automotive Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	82.7	MPa	
Break	37.9	MPa	
Tensile Elongation			ASTM D638
Yield	8.0	%	
Break	> 25	%	
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	67.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 to 12	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	277 to 321	°C	
Middle Temperature	293 to 321	°C	
Front Temperature	304 to 321	°C	

Nozzle Temperature	277 to 316	°C
Processing (Melt) Temp	277 to 321	°C
Mold Temperature	76.7 to 121	°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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