

EverGlide® SG1908

Polyamide 6

Polymer Dynamix

Message:

RSi PA6 Compound

Features:

Excellent dimensional stability

Durable wear characteristics

Retention of physical properties

Applications:

Automotive

Aviation

Industrial

General Information			
Features	Good dimensional stability		
	Durability		
Uses	Aircraft applications		
	Industrial application		
	Application in Automobile Field		
Processing Method	Extrusion		
	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	51.0	MPa	ASTM D638
Fracture	37.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	8.0	%	ASTM D638
Fracture	40 - 50	%	ASTM D638
Flexural Modulus	1520	MPa	ASTM D790
Flexural Strength	56.5	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 - 87.8	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.12	%	
Rear Temperature	232 - 260	°C	

Middle Temperature	238 - 266	°C
Front Temperature	243 - 271	°C
Nozzle Temperature	249 - 277	°C
Processing (Melt) Temp	249 - 277	°C
Mold Temperature	65.6 - 93.3	°C
Injection Pressure	34.5 - 138	MPa
Injection Rate	Moderate	
Screw Speed	40 - 70	rpm
Clamp Tonnage	4.1 - 6.9	kN/cm ²
Extrusion	Nominal Value	Unit
Drying Temperature	82.2 - 87.8	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	232 - 260	°C
Cylinder Zone 3 Temp.	238 - 266	°C
Cylinder Zone 5 Temp.	243 - 271	°C
Melt Temperature	249 - 277	°C
Die Temperature	249 - 277	°C
Extrusion instructions		

Suggested Max Moisture: .12%

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