

Staramide 6 1565VE10

Polyamide 6
Eurostar Engineering Plastics

Message:

Staramide 6 1565VE10 is a High Density, Glass Fiber Reinforced Injection Molding Resin Resin with Improved Thermal Conductivity

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Heat conduction		
	High density		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	3.20	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.20 - 0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	2.30	MPa	ISO 527-2
Tensile Strain (Break)	170	%	ISO 527-2
Flexural Modulus	12800	MPa	ISO 178
Flexural Strain at Break ¹	240	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	12	kJ/m ²	ISO 180/1A
23°C	14	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	55	kJ/m ²	ISO 180/1U
23°C	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	224	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	250 - 260	°C	
Middle Temperature	250 - 280	°C	
Front Temperature	250 - 280	°C	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	50 - 90	°C	
NOTE			
1.	2 mm/min		

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Recommended distributors for this material

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