

Nylene® 5125 HS

Polyamide 66
Custom Resins Group

Message:

Nylene® 5125 HS is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in North America for extrusion or injection molding. Important attributes of Nylene® 5125 HS are:
Heat Resistant
Good Stiffness
Heat Stabilizer
High Strength

General Information	
Filler / Reinforcement	Glass Fiber,25% Filler by Weight
Additive	Heat Stabilizer
Features	Good Stiffness
	Good Thermal Stability
	Heat Stabilized
	High Heat Resistance
	High Strength
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 23°C)	110	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	8.0	%	ASTM D638
Flexural Modulus (23°C)	5000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	227	°C	ASTM D648
Melting Temperature	254	°C	
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Suggested Max Moisture	0.20	%	

Suggested Shot Size	25 to 75	%
Suggested Max Regrind	25	%
Rear Temperature	271 to 293	°C
Middle Temperature	282 to 304	°C
Front Temperature	293 to 316	°C
Nozzle Temperature	291 to 313	°C
Processing (Melt) Temp	293 to 316	°C
Mold Temperature	82.2 to 93.3	°C
Injection Pressure	55.2 to 124	MPa
Injection Rate	Fast	
Holding Pressure	41.4 to 103	MPa
Back Pressure	0.00 to 0.345	MPa

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Recommended distributors for this material

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