

Clariant Nylon 6/6 66G25-FR

Polyamide 66
Clariant Corporation

Message:

Clariant Nylon 6/6 66G25-FR is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in North America for injection molding. Important attributes of Clariant Nylon 6/6 66G25-FR are:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E103015-218186		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Features	Flame Retardant		
	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	114	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	246	°C	
1.8 MPa, Unannealed	238	°C	
Melting Temperature	257	°C	
RTI Elec (1.57 mm)	65.0	°C	UL 746
RTI Imp (1.57 mm)	65.0	°C	UL 746
RTI Str (1.57 mm)	65.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.57 mm)	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Suggested Max Regrind	25	%	
Rear Temperature	249 to 271	°C	

Middle Temperature	271 to 288	°C
Front Temperature	282 to 299	°C
Nozzle Temperature	266 to 288	°C
Mold Temperature	71.1 to 104	°C
Injection Pressure	55.2 to 138	MPa
Back Pressure	0.00 to 1.03	MPa
Screw Speed	30 to 60	rpm

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Recommended distributors for this material

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