

Clariant Nylon 6/6 66M40-L

Polyamide 66
Clariant Corporation

Message:

Clariant Nylon 6/6 66M40-L is a Polyamide 66 (Nylon 66) material filled with 40% mineral. It is available in North America for injection molding. Primary attribute of Clariant Nylon 6/6 66M40-L: Lubricated.

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	243	°C	
1.8 MPa, Unannealed	216	°C	
Melting Temperature	259	°C	
RTI Elec			UL 746
1.57 mm	105	°C	
3.18 mm	110	°C	
RTI Imp			UL 746
1.57 mm	65.0	°C	
3.18 mm	70.0	°C	
RTI Str			UL 746
1.57 mm	105	°C	
3.18 mm	110	°C	
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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