Generic Nylon 66 - Unspecified

Polyamide 66

Generic

Message:

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This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Filler		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			
--	1.13 - 1.92	g/cm³	ASTM D792
23°C	1.33 - 1.36	g/cm³	ISO 1183
Molding Shrinkage - Flow (23°C)	0.19 - 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.35 - 1.0	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Fracture, 23°C	53.8 - 221	MPa	ASTM D638
Fracture, 23°C	35.0 - 130	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	1.0 - 6.9	%	ASTM D638
Fracture, 23°C	0.90 - 3.0	%	ISO 527-2
Flexural Modulus			
23°C	3600 - 11100	MPa	ASTM D790
23°C	3300 - 14000	MPa	ISO 178
Flexural Strength			
23°C	82.7 - 134	MPa	ASTM D790
23°C	50.0 - 280	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.5 - 12	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	6.0 - 100	kJ/m²	ISO 179
Notched Izod Impact (23°C)	32 - 150	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, not annealed	198 - 260	°C	ASTM D648
1.8 MPa, not annealed	71.1 - 250	°C	ASTM D648
1.8 MPa, not annealed	228 - 232	°C	ISO 75-2/A
Melting Temperature	255 - 260	°C	
Injection	**Nominal Value**	**Unit**	
Drying Temperature	79.7 - 82.3	°C	

Drying Time	3.0 - 11	hr
Processing (Melt) Temp	280 - 310	°C
Mold Temperature	83.3 - 110	°C

Injection instructions

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