TORZEN® GT3300HSL NC01

Polyamide 66

INVISTA Engineering Polymers

Message:

TORZEN® GT3300HSL NC01 is a 33% glass reinforced, impact modified, heat stabilized, natural, PA66 resin suitable for many injection molding applications where high tensile strength and dimensional stability are needed.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Additive	Impact modifier heat stabilizer		
Features	Good dimensional stability Impact modification High tensile strength Thermal Stability Good demoulding performance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.34	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Transverse flow: 2.00mm	0.50 - 0.70	%	ISO 294-4
Flow: 2.00mm	0.30 - 0.50	%	ISO 294-4
Water Absorption			ISO 62
23°C, 24 hr	1.1	%	ISO 62
Equilibrium, 23°C, 50% RH	1.7	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	170	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	7900	MPa	ISO 178
Flexural Stress	250	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-40°C	15	kJ/m²	ISO 179
23°C	22	kJ/m²	ISO 179

Notched Izod Impact (23°C)	20	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	260	°C	ISO 75-2/B
1.8 MPa, not annealed	247	°C	ISO 75-2/A
Melting Temperature	262	°C	ISO 11357-3
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.080 - 0.18	%	
Rear Temperature	250 - 270	°C	
Middle Temperature	270 - 290	°C	
Front Temperature	270 - 290	°C	
Nozzle Temperature	270 - 290	°C	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	50 - 90	°C	
Back Pressure	0.200 - 1.00	MPa	
Cushion	4.00 - 6.00	mm	
Vent Depth	7.0E-3 - 0.040	mm	
Screw Speed	Low rpm		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China