TEREZ GT3 300 H G50

Polyamide 66

TER HELL PLASTIC GMBH

Message:

PA66 Blend with partial aromatic share, 50% glass fiber content and heat stabilizer
For all kind of injection molding parts with requirements on strength

General Information				
Filler / Reinforcement	Glass Fiber,50% Filler by Weight			
Additive	Heat Stabilizer			
Features	Heat Stabilized High Strength			
Processing Method	Injection Molding			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.57	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	4.0	--	%	
Equilibrium, 23°C, 50% RH	1.4	--	%	
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	17500	16500	MPa	ISO 527-2
Tensile Stress (Break)	245	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	3.0	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	17	17	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
0.45 MPa, Unannealed	255	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	244	--	°C	ISO 75-2/A
Vicat Softening Temperature	210	--	°C	ISO 306/B50
Melting Temperature [1]	260	--	°C	ISO 11357-3
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	--	ohms·cm	IEC 60093
Electric Strength	33	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification (1.60 mm)	HB	--		IEC 60695-11-10, -20

NOTE	
1.	10°C/min

Recommended distributors for this material

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