TARODUR 100 G3

Acrylonitrile Butadiene Styrene

Taro Plast S.p.A.

Message:

ABS glass fiber reinforced 17%, good dimensional stability, low shrinkage, good mechanical properties.
Approved FIAT 55234 - 90.40
Available: all colors, UV stabilized (L), heat stabilized (H).

General Information			
Filler / Reinforcement	Glass Fiber,17% Filler by Weight		
Additive	Heat Stabilizer UV Stabilizer		
Features	Good Dimensional Stability Good UV Resistance Heat Stabilized Low Shrinkage		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.17	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			ASTM D955
Flow	0.10 to 0.30	%	
Across Flow	0.30 to 0.80	%	
Water Absorption			
23°C, 24 hr	0.10	%	ASTM D570, ISO 62
Saturation	0.20	%	ASTM D570
Saturation, 23°C	0.20	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	5600	MPa	ASTM D638, ISO 527-2
Tensile Strength (Break)	78.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5200	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	60	J/m	ISO 180, ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	96.0	°C	ASTM D648, ISO 75-2/A
Continuous Use Temperature [1]	75.0	°C	IEC 60216
Vicat Softening Temperature			
--	108	°C	ASTM D1525, ISO 306/A50 3 [2]
--	104	°C	ASTM D1525, ISO 306/B50 4 [3]
Ball Pressure Test (100°C)	Pass		VDE 0470
CLTE - Flow (-30 to 30°C)	4.5E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Glow Wire Ignition Temperature	550	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature			
--	70.0 to 80.0	°C	
Pre-heater	70.0 to 80.0	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	220 to 250	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Rate	Moderate-Fast		
NOTE			
1.	20000 hrs		
2.	Rate A (50°C/h), Loading 1 (10 N)		
3.	Rate A (50°C/h), Loading 2 (50 N)		

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


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