

DURANEX® MH6304 T01

Polybutylene Terephthalate

Polyplastics Co., Ltd.

Message:

Low Noise, Damping, GF 30% reinforced, Flame retardant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Flame retardancy		
Features	Noise reduction		
	Flame retardancy		
UL File Number	E213445		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	100	MPa	ISO 527-2
Tensile Strain (Break)	2.4	%	ISO 527-2
Flexural Modulus	7800	MPa	ISO 178
Flexural Stress	153	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	198	°C	ISO 75-2/A
Linear thermal expansion coefficient			Internal method
Flow: 23 to 55°C	2.0E-5	cm/cm/°C	Internal method
Lateral: 23 to 55°C	8.0E-5	cm/cm/°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	9.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	3.0 - 5.0	hr	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	40.0 - 80.0	°C	

Holding Pressure	60.0 - 100	MPa
Screw Speed	100 - 150	rpm
Injection instructions		

Cooling Time: Plasticization time + alpha or time without sticking in mold

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Recommended distributors for this material

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