

DURANEX® MH6304 T01

Polyplastics - Polycarbonate + PBT

General Information

Product Description

Lower Noise, Damping

GF30% Reinforced, Flame Retardance

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Noise Damping
UL File Number	• E213445
Appearance	• Black
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT+PC-I-(GF+MD)30FR(17)<

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	14500	psi	ISO 527-2
Tensile Strain (Break)	2.4	%	ISO 527-2
Flexural Modulus	1.13E+6	psi	ISO 178
Flexural Stress	22200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.6	ft·lb/in ²	ISO 179/1eA
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	388	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.1E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	4.4E-5	in/in/°F	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

