

DURANEX® RH1150 T01

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Lower Noise, Damping

GF15% Reinforced, HB

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Noise Damping
UL File Number	• E213445
Appearance	• Black
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-I-GF15<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	11700	psi	ISO 527-2
Tensile Strain (Break)	3.2	%	ISO 527-2
Flexural Modulus	635000	psi	ISO 178
Flexural Stress	18300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.7	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	397	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.7E-5	in/in/°F	Internal Method
CLTE - Transverse (73 to 131°F)	6.7E-5	in/in/°F	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94