

DURANEX® CRN7020GP

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

Flame Retardant, Low Gas Generation, Low Contact Contamination, UL Approved Regrind 50% Inclusive

GF20% Reinforced

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Regrind and Blending Performance
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-GF20 FR(17)<

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.65	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	17500	psi	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	1.13E+6	psi	ISO 178
Flexural Stress	26700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.0	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	399	°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)	4.4E-5	in/in/°F	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Color Number	EF2001/ED3002		

Notes

¹ Typical properties: these are not to be construed as specifications.
