

DURANEX® CK7816

 Polyplastics - *Polybutylene Terephthalate*

General Information

Product Description

Hydrolysis Resistant

GF15% Reinforced, Higher Comparative Tracking Index

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Hydrolysis Resistant
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-I-GF15<

 Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	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	14600	psi	ISO 527-2
Tensile Strain (Break)	4.1	%	ISO 527-2
Flexural Modulus	747000	psi	ISO 178
Flexural Stress	22900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	397	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Notes

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