

RENATUS® CN9030

Polyplastics - Polyethylene Terephthalate

General Information

Product Description

Flame Retardant, Standard

Moldable at Low Temperature, GF Reinforced, Natural Color

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Good Moldability
UL File Number	• E213445
Appearance	• Natural Color
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PET-GF30 FR(17)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.66	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 (Yield)	18900	psi	ISO 527-2
Tensile Strain (Break)	1.9	%	ISO 527-2
Flexural Modulus	1.46E+6	psi	ISO 178
Flexural Stress	30500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.8	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	441	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Electric Strength (0.118 in)	510	V/mil	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94