

# RENATUS® RH036

## Polyplastics - Polyethylene Terephthalate

### General Information

#### Product Description

Standard

GF Reinforced

#### General

Filler / Reinforcement	• Glass Fiber, 36% Filler by Weight
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PET-GF36<

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm <sup>3</sup>	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	27600	psi	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	1.84E+6	psi	ISO 178
Flexural Stress	39900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.3	ft-lb/in <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	455	°F	ISO 75-2/A
CLTE - Flow	1.1E-5	in/in/°F	Internal Method
CLTE - Transverse	3.3E-5	in/in/°F	Internal Method
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	610	V/mil	IEC 60243-1
Comparative Tracking Index	225	V	IEC 60112
Additional Information	Nominal Value	Unit	
Color Number	RF2001/RD3002		