



Celanex® LW2547W

Celanese Corporation - Polybutylene Terephthalate

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General Information

Product Description

Celanex LW2547W is a 30% glass/mineral filled polyester that combines the physical and electrical properties and surface finish required in automotive distributor caps with low cost. The high gloss attainable rivals that of phenolic.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass\Mineral, 30% Filler by Weight
Features	• High Gloss
Uses	• Automotive Applications
RoHS Compliance	• Contact Manufacturer

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	21	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ISO 294-4
Water Absorption (Saturation, 73°F)	0.080	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	15800	psi	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.32E+6	psi	ISO 178
Flexural Stress (73°F)	24400	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F)	2.4	ft-lb/in ²	ISO 180/1A

Notes

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