

CELANEX® LW2547W

30% glass-fiber / mineral filled PBT+PET blend; low warpage grade

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.

Product information

Part Marking Code	(PBT+PET)-(GF+MD)30	ISO 11469
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Rheological properties

Melt mass-flow rate	21 g/10min	ISO 1133
Melt mass-flow rate, Temperature	250 °C	
Melt mass-flow rate, Load	2.16 kg	
Moulding shrinkage range, parallel	0.5 - 0.7 %	ISO 294-4, 2577

Typical mechanical properties

Stress at break, 5mm/min	109 MPa	ISO 527-1/-2
Strain at break, 5mm/min	1.8 %	ISO 527-1/-2
Flexural Modulus	9100 MPa	ISO 178
Flexural Strength	168 MPa	ISO 178
Izod notched impact strength, 23°C	5.1 kJ/m ²	ISO 180/1A

Other properties

Water absorption, 2mm	0.08 %	Sim. to ISO 62
Density	1550 kg/m ³	ISO 1183