

Complet® LCF15-LGF35-TPU

Engineering Thermoplastic Polyurethane

PlastiComp, Inc.

Message:

Complet® LCF15-LGF35-TPU is a Engineering Thermoplastic Polyurethane product, which contains 35% long glass fiber and 15% long carbon fiber. It is available in North America, Europe or Asia Pacific. The main features are: Rohs certification.

General Information			
Filler / Reinforcement	Long glass fiber, 35% filler by weight		
	Long carbon fiber, 15% filler by weight		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20700	MPa	ASTM D638
Tensile Strength	248	MPa	ASTM D638
Tensile Elongation (Break)	1.0 - 2.0	%	ASTM D638
Flexural Modulus	18600	MPa	ASTM D790
Flexural Strength	366	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	400	J/m	ASTM D256
Unnotched Izod Impact	1100	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.0	°C	ASTM D648

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