

KEBAFLOW® LCP HF140

Liquid Crystal Polymer

BARLOG plastics GmbH

Message:

LCP, 40% glass fiber reinforced, HDT ~300°C

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Resin ID (ISO 1043)	LCP-GF40		
Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.50	%	
Flow	0.18	%	
Water Absorption (Saturation, 23°C)	0.020	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2
Tensile Stress (Break)	140	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	308	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification ¹ (0.800 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	UL Registered		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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