

KEBAFLOW LCP HF140

LCP-GF40

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	15000	MPa	ISO 527
Stress at break	140	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	308	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Electrical properties			
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Other properties			
Water absorption	0.02	%	Sim. to ISO 62
Density	1680	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	150 - 170	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.01	%	-
Melt temperature	335 - 345	°C	-
Mold temperature	80 - 120	°C	-
Back pressure	0 - 3	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Aircraft and Aerospace, Automotive, Electrical and Electronical, Encapsulation

Regional Availability

Europe