

AUROtec® LCP GF30 black

LCP-GF30

Aurora Kunststoffe GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	14500	MPa	ISO 527
Stress at break	140	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	335	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Vicat softening temperature, B	190	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	0.03	%	Sim. to ISO 62
Density	1600	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	150 - 170	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.01	%	-
Melt temperature	340	°C	-
Mold temperature	100	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Special Characteristics

Flame retardant

Certifications

Recycled Resin Content

Regional Availability

Europe