

KEBALLOY 3D 10001 PC/ABS

(PC+ABS)

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	50	%	ISO 527
Charpy impact strength, +23°C	100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	79	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	75	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Density	1310	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	250 - 280	°C	-
Mold temperature	90	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

High impact or impact modified

Features

Amorphous

Applications

Automotive, Electrical and Electronical, Encapsulation, Sports Equipment

Regional Availability

Europe