AURODur® PBT HIGF30 natural 1102

PBT-GF30 — Aurora Kunststoffe GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**15**	cm³/10min	ISO 1133
Temperature	**250**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**0.4**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**7500**	MPa	ISO 527
Stress at break	**85**	MPa	ISO 527
Strain at break	**4.5**	%	ISO 527
Charpy impact strength, +23°C	**65**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**65**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**11**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**9**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**225**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**190**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-

Other properties	Value	Unit	Test Standard
Water absorption	**0.2**	%	Sim. to ISO 62
Humidity absorption	**0.4**	%	Sim. to ISO 62
Density	**1450**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120**	°C	-
Pre-drying - Time	**4**	h	-
Processing humidity	**≤0.02**	%	-
Melt temperature	**260**	°C	-
Mold temperature	**80**	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Electrical and Electronical

Delivery form
Natural Color

Regional Availability
Europe

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat