Ultradur® B 4335 G3 HR High Speed SW15126

PBT-GF15 BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25	cm³/10min	ISO 1133
Temperature	275	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.0	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4700	MPa	ISO 527
Stress at Break	90	MPa	ISO 527
Strain at Break	3.5	%	ISO 527
Impact Strength (Charpy), +23°C	55	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	32	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	11	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	7	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	4300	MPa	ISO 178
Flexural strength	135	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	223	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	200	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	40	E-6/K	ISO 11359-1/-2
Burning Behav. at thickness h	HB	class	UL 94
Thickness tested	0.8	mm	-

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1360	kg/m³	ISO 1183
Bulk density	750	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	90	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Processing humidity	≤0.04	%	-
Melt temperature	250 - 280	°C	-
Mold temperature	60 - 100	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Processing humidity	≤0.04	%	-
Melt temperature	250 - 280	°C	-

Characteristics

Processing
Injection Molding, Other Extrusion

Features
Laser Markable

Delivery form
Black

Chemical Resistance
Hydrolysis

Special Characteristics
Impact modified

Applications
Automotive

Disclaimer

Liability Exclusion
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