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ALBIS

Ultramid® B3G7 R02

PA6-GF33 BASF

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10000	MPa	ISO 527
Stress at Break	180	MPa	ISO 527
Strain at Break	3	%	ISO 527
Impact Strength (Charpy), +23°C	90	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	15	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	8400	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215	°C	ISO 75-1/-2
Burning Behav. at 1.5 mm Nom. Thickn.	HB	class	UL 94
Thickness tested	1.6	mm	-

Electrical Properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	3.6	-	IEC 62631-2-1
Dissipation Factor, 1MHz	0.02	E-4	IEC 62631-2-1
Volume Resistivity	>1E13	Ohm*m	IEC 62631-3-1

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1390	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	145	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	270 - 295	°C	-
Mold temperature	80 - 95	°C	-

Characteristics

Processing
Injection Molding

Applications
Automotive

Delivery form
Pellets