

Ultramid® B3GK24 R02-R04
PA6-(GF+GB)30

BASF

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	40	cm³/10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6850	MPa	ISO 527
Stress at Break	120	MPa	ISO 527
Strain at Break	2.8	%	ISO 527
Impact Strength (Charpy), +23°C	45	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	40	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	3.8	kJ/m²	ISO 179/1eA

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)	200	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	216	°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			
Comparative tracking index	400	-	IEC 60112

Other Properties	Value	Unit	Test Standard
ISO Data			
Water Absorption	7.7	%	Sim. to ISO 62
Density	1350	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	150	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	270 - 290	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Features

Low Warpage

Delivery form

Pellets

Applications

Automotive

Special Characteristics

Heat aging stabilized