Ultramid® A3W2G6 BK20560

(PA66+PA6)-GF30 BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	20 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	9500 / 5200	MPa	ISO 527
Stress at Break	180 / 100	MPa	ISO 527
Strain at Break	3.5 / 6	%	ISO 527
Impact Strength (Charpy), +23°C	90 / 110	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	70 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10 / 18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	9 / -	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	8700 / -	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	230 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	5.4 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1360 / -	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.12	%	-
Melt temperature	280 - 305	°C	-
Mold temperature	80 - 90	°C	-
Injection pressure	3.5 - 12.5	MPa	-

Characteristics

Processing
Injection Molding

Special Characteristics
Heat aging stabilized

Delivery form
Black

Applications
Automotive

Disclaimer

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