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BASF
We create chemistry

ALBIS

Ultramid® Structure A3WG10 LFX BK23215

PA66-GF50 BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	16400 / 13000	MPa	ISO 527
Stress at Break	275 / 188	MPa	ISO 527
Strain at Break	2.2 / 2.3	%	ISO 527
Impact Strength (Charpy), +23°C	90 / 90	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	82 / 84	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	29 / 26	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	32 / 30	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	15400 / 11900	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)	260 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1570 / -	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	83	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.08	%	-
Melt temperature	290 - 310	°C	-
Mold temperature	80 - 100	°C	-
Injection pressure	3.5 - 12.5	MPa	-

Characteristics

Processing
Injection Molding

Special Characteristics
Heat aging stabilized

Delivery form
Pellets, Black