

Ultramid® B3PG6 sw23346
PA6-GF30

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	22 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10500 / 5900	MPa	ISO 527
Stress at Break	190 / 106	MPa	ISO 527
Strain at Break	3.6 / 8.2	%	ISO 527
Impact Strength (Charpy), +23°C	98 / 99	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	71 / 73	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	11.1 / 16.8	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	8.3 / 7.6	kJ/m²	ISO 179/1eA

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	206 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	221 / *	°C	ISO 75-1/-2

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

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	154 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	270 - 290	°C	-
Mold temperature	80 - 90	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	270 - 290	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Thermal Stability

Delivery form

Pellets, Black

Applications

Automotive