

Ultramid® B3ZG3 ST SW805
PA6-GF15

BASF

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	4800	MPa	ISO 527
Stress at Break	95	MPa	ISO 527
Strain at Break	4.5	%	ISO 527
Impact Strength (Charpy), +23°C	70	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	20	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	8	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	3500	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220	°C	ISO 11357-1/-3

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1190	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 120	°C	-

Characteristics

Processing

Injection Molding

Special Characteristics

Impact modified, Heat aging stabilized

Delivery form

Pellets, Black

Applications

Automotive