

Ultramid® B3G10 TR SW8821
(PA6+PTFE)-GF50

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	15300 / 10300	MPa	ISO 527
Stress at Break	200 / 135	MPa	ISO 527
Strain at Break	2.8 / 5.6	%	ISO 527
Impact Strength (Charpy), +23°C	85 / 85	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	12.5 / 18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	10 / -	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

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1680 / -	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

Delivery form

Pellets, Black