

Ultramid® A3EG7 AB
PA66-GF35

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11000 / 8400	MPa	ISO 527
Stress at Break	200 / 145	MPa	ISO 527
Strain at Break	3.2 / 5.3	%	ISO 527
Impact Strength (Charpy), +23°C	100 / 95	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	70 / 65	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	11 / 14	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	9 / 9	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	10000 / 7700	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)	250 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	5.3 / *	%	Sim. to ISO 62
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1400 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	150 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets