

Ultrad® Advanced T1000HG8 LS BK 23593
PPA-GF40

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	15500 / 15500	MPa	ISO 527
Stress at Break	230 / 230	MPa	ISO 527
Strain at Break	2 / 2	%	ISO 527
Impact Strength (Charpy), +23°C	80 / -	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	70 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	10 / -	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	9.5 / -	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	14000 / 14400	MPa	ISO 178
Flexural strength	330 / 320	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	320 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	3.5 / *	%	Sim. to ISO 62
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1530 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	100 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	345 - 360	°C	-
Mold temperature	140 - 160	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	345 - 360	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Delivery form

Black

Special Characteristics

Heat aging stabilized

Features

Melt Strength

Chemical Resistance

General Chemical Resistance