

Ultrad® Advanced N3HG10 LFX BK23215
PPA-GLF50

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	17000 / 17000	MPa	ISO 527
Stress at Break	235 / 210	MPa	ISO 527
Strain at Break	1.6 / 1.4	%	ISO 527
Impact Strength (Charpy), +23°C	80 / 70	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80 / 70	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	25 / 25	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	30 / 30	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	16000 / 16000	MPa	ISO 178
Flexural strength	360 / 340	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	300 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2

Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Volume Resistivity	1E16 / 1E14	Ohm*m	IEC 62631-3-1
Surface Resistivity	* / 1E13	Ohm	IEC 62631-3-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	1.5 / *	%	Sim. to ISO 62
Humidity absorption	0.8 / *	%	Sim. to ISO 62
Density	1580 / -	kg/m ³	ISO 1183
Bulk density	700	kg/m ³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	90 / *	cm ³ /g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	320 - 340	°C	-
Mold temperature	100 - 160	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	320 - 340	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Thermal Stability

Delivery form

Black

Chemical Resistance

General Chemical Resistance