

Ultradid® Advanced T2300EG6 UN
PPA-GF30

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	2 / *	cm³/10min	ISO 1133
Temperature	320 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	10200 / 10200	MPa	ISO 527
Stress at Break	188 / 157	MPa	ISO 527
Strain at Break	2.8 / 3.2	%	ISO 527
Impact Strength (Charpy), +23°C	86 / 77	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	55 / 48	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	8.7 / 9	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	7.3 / 6.9	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	9200 / 9200	MPa	ISO 178
Flexural strength	280 / 340	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	310 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	280 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	280 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Humidity absorption	1.32 / *	%	Sim. to ISO 62
Density	1390 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	125 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	320 - 340	°C	-
Mold temperature	120 - 160	°C	-

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

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Heat aging stabilized

Delivery form

Pellets, Natural Color

Chemical Resistance

General Chemical Resistance