

Ultramid® Structure D3EG12 R01 LF BK23215

PA*-GLF60

BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.1 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.2 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	22100 / 21100	MPa	ISO 527
Stress at Break	250 / 225	MPa	ISO 527
Strain at Break	2.1 / 1.8	%	ISO 527
Impact Strength (Charpy), +23°C	90 / 85	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	85 / 75	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	25 / 29	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	25 / 33	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	19900 / 19200	MPa	ISO 178
Flexural strength	375 / 340	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	235 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	210 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	230 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1720 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	118 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	280 - 310	°C	-
Mold temperature	80 - 120	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	280 - 310	°C	-

Characteristics

Processing

Injection Molding, Other Extrusion

Features

Thermal Stability

Delivery form

Pellets, Black