AKROMID® B28 LGF 40 1 L black (6155)

(PA6+PP)-GF40 Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.7 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**12000 / 9500**	MPa	ISO 527
Stress at break	**200 / 150**	MPa	ISO 527
Strain at break	**2.5 / 2.5**	%	ISO 527
Flexural modulus, 23°C	**8000 / -**	MPa	ISO 178
Flexural strength	**220 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**100 / 80**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**80 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**35 / 35**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**35 / -**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**200 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	**190 / ***	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	**12 / ***	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	**93 / ***	E-6/K	ISO 11359-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	**1360 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**270**	°C	-
Mold temperature	**80**	°C	-
Injection pressure	**75**	MPa	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat

Features
Fatigue Resistance, Long fiber reinforced

Applications
Automotive

Regional Availability
Europe, Asia Pacific