AKROLOY® PA GF 40 HU black (8149)

(PA66+PA6I/6T)-GF40 — Akro-Plastic GmbH

Product Texts

AKROLOY® PA GF 40 is an alternative for aluminium- and zinc diecast alloys.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.2 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.5 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**13000 / 12500**	MPa	ISO 527
Stress at break	**235 / 160**	MPa	ISO 527
Strain at break	**2.8 / 2.8**	%	ISO 527
Flexural modulus, 23°C	**12500 / 12500**	MPa	ISO 178
Flexural modulus	**330 / 245**	MPa	ISO 178
Charpy impact strength, +23°C	**95 / 95**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**75 / 75**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**15 / 15**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**13 / 13**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**255 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**237 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	**173 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.6 / ***	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	**1470 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	**320**	°C	-
Mold temperature	**100**	°C	-
Injection pressure	**75**	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Europe, Asia Pacific

Delivery form

Black