

AKROMID® S3 GF 30 1 black (3259)

PA610-GF30

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	8600 / 6200	MPa	ISO 527
Stress at break	160 / 110	MPa	ISO 527
Strain at break	4.5 / 7.5	%	ISO 527
Flexural modulus, 23°C	7700 / -	MPa	ISO 178
Flexural strength	230 / -	MPa	ISO 178
Charpy impact strength, +23°C	100 / 100	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	100 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	17 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12 / -	kJ/m ²	ISO 179/1eA
Ball indentation hardness	195 / -	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	145 / *	°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			
Density	1310 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	270	°C	-
Mold temperature	80	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Certifications

Contains renewable resources

Applications

Automotive

Regional Availability

Europe, Asia Pacific