

AKROMID® A3 GM 25/15 1 black (7003)

PA66-(GF+GB)40

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	0.8 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	10000 / 7000	MPa	ISO 527
Stress at break	180 / 110	MPa	ISO 527
Strain at break	3 / 8	%	ISO 527
Flexural modulus, 23°C	10200 / 7500	MPa	ISO 178
Flexural strength	275 / 205	MPa	ISO 178
Charpy impact strength, +23°C	70 / 80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	57 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	10 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8 / -	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	255 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-
Electrical properties			
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112
Other properties			
Density	1460 / -	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Features

Low Warpage

Delivery form

Black

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe, Asia Pacific