

AKROMID® T5 GF 30 black (6485)

PPA-GF30

Akro-Plastic GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12000	MPa	ISO 527
Stress at break	205	MPa	ISO 527
Strain at break	2.4	%	ISO 527
Flexural modulus, 23°C	11600	MPa	ISO 178
Flexural strength	305	MPa	ISO 178
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8.4	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8.2	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	325	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	148	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	340	°C	-
Mold temperature	130	°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

Applications

Automotive, Electrical and Electronical

Regional Availability

Europe, Asia Pacific