

**AKROMID® S3 GF 15 1 black (3316)**

PA610-GF15

Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	5500 / 3500	MPa	ISO 527
Stress at break	110 / 75	MPa	ISO 527
Strain at break	5.5 / 15	%	ISO 527
Charpy impact strength, +23°C	75 / 80	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	60 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	5 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	5 / -	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	190 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 8.00 MPa	75 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	1180 / -	kg/m <sup>3</sup>	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

**Certifications**

Contains renewable resources

**Delivery form**

Black

**Applications**

Automotive

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Europe, Asia Pacific

**Chemical Resistance**

General Chemical Resistance