AKROMID® A3 GF 30 S1 natural (3695)

PA66-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	**1.2 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**9500 / 8000**	MPa	ISO 527
Stress at break	**180 / 130**	MPa	ISO 527
Strain at break	**4 / 6**	%	ISO 527
Flexural modulus, 23°C	**8800 / -**	MPa	ISO 178
Flexural strength	**280 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**105 / 97**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**105 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**16 / 20**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**262 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**253 / ***	°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	**1340 / -**	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

Delivery form
Natural Color

Special Characteristics
High impact or impact modified

Applications
Automotive

Regional Availability
Europe, Asia Pacific