AKROMID® A3 1 L natural (4800)

(PA66+PP) Akro-Plastic GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**35 / ***	cm³/10min	ISO 1133
Temperature	**275 / ***	°C	-
Load	**5 / ***	kg	-
Molding shrinkage, parallel	**1.4 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**1.6 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**2300 / 1400**	MPa	ISO 527
Yield stress	**55 / 40**	MPa	ISO 527
Flexural modulus, 23°C	**2100 / -**	MPa	ISO 178
Flexural strength	**80 / -**	MPa	ISO 178
Charpy impact strength, +23°C	**N / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**7 / -**	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	**65 / ***	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**150 / ***	°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	**1040 / -**	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
Heat stabilized or stable to heat

Applications
Automotive, Electrical and Electronical

Regional Availability
Europe, Asia Pacific