AUROmid® PA66 HHGF35 black 9005

PA66-GF35 — Aurora Kunststoffe GmbH

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.4 / ***	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.7 / ***	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	**10700 / 8000**	MPa	ISO 527
Stress at break	**170 / 120**	MPa	ISO 527
Strain at break	**2.5 / 5**	%	ISO 527
Charpy impact strength, +23°C	**90 / 100**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**70 / -**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**10 / 15**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**7.5 / -**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**260 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**250 / ***	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**HB / ***	class	IEC 60695-11-10
Thickness tested	**1.5 / ***	mm	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	**5 / ***	%	Sim. to ISO 62
Humidity absorption	**1.4 / ***	%	Sim. to ISO 62
Density	**1410 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**80**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Processing humidity	**≤0.1**	%	-
Melt temperature	**290 - 300**	°C	-
Mold temperature	**80**	°C	-

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
Heat stabilized or stable to heat

Features
Thermal Stability

Chemical Resistance
Hydrolytically Stable, Oil Resistance

Applications
Automotive

Regional Availability
Europe