

**AUROcom® PP HGF25M15UV black 9005**

PP-(GF+MX)40

Aurora Kunststoffe GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	12	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	6000	MPa	ISO 527
Stress at break	75	MPa	ISO 527
Strain at break	4	%	ISO 527
Charpy impact strength, +23°C	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	10	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	150	°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	Value	Unit	Test Standard
Water absorption	0.1	%	Sim. to ISO 62
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1210	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2	h	-
Melt temperature	220 - 260	°C	-
Mold temperature	20 - 80	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

**Features**

Chemically Coupled Reinforcement

**Applications**

Automotive

**Regional Availability**

Europe