

Technical Data Sheet

PA 6.6 OMIAMID IM GF50 BC

Product description: polyamide 6.6 reinforced (glass fiber) 50%, heat stabilized, injection moulding, black color.

Application area: automotive, household goods, building, furnishes industries, electrical and electronical.

Properties	Value	Unit	Condition	Standard
Rheological				
MFR	30,5	g/10 min	275 °C; 5 kg	EN ISO 1133
MVR	24	cm ³ /10 min	275 °C; 5 kg	EN ISO 1133
Mechanical				
	dry	cond.		
Tensile stress at yield	-	-	MPa	5 mm/min EN ISO 527
Elongation at break	3	-	%	5 mm/min EN ISO 527
Tensile stress at break	200	-	MPa	5 mm/min EN ISO 527
Flexural strength	-	-	MPa	mm/min EN ISO 178
Tensile modulus	14 500	-	MPa	1 mm/min EN ISO 527
Charpy notched	15	-	kJ/m ²	15 J; V-2 mm EN ISO 179
Charpy unnotched	90	-	kJ/m ²	25 J EN ISO 179
Izod notched	-	-	kJ/m ²	J; V-2,5 mm EN ISO 180
Izod unnotched	-	-	kJ/m ²	J EN ISO 179
Physical				
Density	1,55	g/cm ³	23 °C	EN ISO 1183-1
Ash content	50	%	650 °C	EN ISO 3451
Thermal				
Flame rating	-	Class	127x12,7x3,2 mm	UL 94

Processing parameters		
Parameter	Condition	Unit
Drying temperature	80	°C
Drying time	4	h
Suggested max moisture drying	0,02	%
Processing (melt) temp	280-300	°C
Mold temperature	80-120	°C

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These studies are drawn from a random sample. An overall picture of the properties of the material. Individual parts of the material may slightly differ from the values in the table. Slight deviations from these results do not give rise to any claim.