

Technical Data Sheet

PA 6.6 OMIAMID IM GF35 BC

Product description: polyamide 6.6 reinforced (glass fiber) 35%, heat stabilized, injection moulding, black color.

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

Properties	Value	Unit	Condition	Standard	
Rheological					
MFR	75	g/10 min	275 °C; 5 kg	EN ISO 1133	
MVR	48	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	5	-	%	5 mm/min	EN ISO 527
Tensile stress at break	150	-	MPa	5 mm/min	EN ISO 527
Flexural strength	155	-	MPa	mm/min	EN ISO 178
Tensile modulus	11 000	-	MPa	1 mm/min	EN ISO 527
Charpy notched	9	-	kJ/m ²	1 J; V-2 mm	EN ISO 179
Charpy unnotched	44	-	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	1,41		g/cm ³	23 °C	EN ISO 1183-1
Ash content	35		%	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

F-11.1_i-26 – Technical Data Sheet

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.