

Technical Data Sheet

PA 6 OMIAMID IM GF30 NC NATURAL

Product description: polyamide 6 reinforced (glass fiber) 30%, heat stabilized, injection moulding.

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

Properties	Value	Unit	Condition	Standard	
Rheological					
MFR	28,3	g/10 min	275 °C; 5 kg	EN ISO 1133	
MVR	24,8	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	4	-	%	5 mm/min	EN ISO 527
Tensile stress at break	170	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	9500	-	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	1,35	g/cm ³	23 °C	EN ISO 1183-1	
Ash content	30	%	650 °C	EN ISO 3451	
Thermal					
Flame rating	HB	Class	127x12,7x3,2 mm	UL 94	

Processing parameters		
Parameter	Condition	Unit
Drying temperature	80	°C
Drying time	4	h
Suggested max moisture drying	0,1	%
Processing (melt) temp	240-280	°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.