

## Technical Data Sheet

### PA 6 OMIAMID IM N GF15 NC NATURAL

**Product description:** polyamide 6 reinforced (glass fiber) 15%, heat stabilized, injection moulding.

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

Properties	Value	Unit	Condition	Standard	
<b>Rheological</b>					
MFR	40	g/10 min	275 °C; 5 kg	EN ISO 1133	
MVR	37	cm <sup>3</sup> /10 min	275 °C; 5 kg	EN ISO 1133	
<b>Mechanical</b>					
	dry	cond.			
Tensile stress at yield	-	-	MPa	5 mm/min	EN ISO 527
Elongation at break	2	-	%	5 mm/min	EN ISO 527
Tensile stress at break	100	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	5800	-	MPa	1 mm/min	EN ISO 527
Charpy notched	8	-	kJ/m <sup>2</sup>	25 J; V-2 mm	EN ISO 179
Charpy unnotched	40	-	kJ/m <sup>2</sup>	25 J	EN ISO 179
Izod notched	-	-	kJ/m <sup>2</sup>	J; V-2,5 mm	EN ISO 180
Izod unnotched	-	-	kJ/m <sup>2</sup>	J	EN ISO 179
<b>Physical</b>					
Density	1,23		g/cm <sup>3</sup>	23 °C	EN ISO 1183-1
Ash content	15		%	650 °C	EN ISO 3451
<b>Thermal</b>					
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	0,1	%
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.