Technical Data Sheet

PA 6.6 OMIAMID IM BC

Product description: polyamide 6.6 standard, black color, contains lubricant that facilitates deformation of details, intended for pressing elements by injection molding.

Application area: automotive, electrical engineering, construction, household goods, furniture industries.

Properties	Value		Unit	Condition	Standard
Rheological					
MFR	**105,7**		g/10 min	275 °C; 5 kg	EN ISO 1133
MVR	**107,7**		cm^3/10 min	275 °C; 5 kg	EN ISO 1133
Mechanical					
	dry	cond.			
Tensil stress at yield	-	-	MPa	5 mm/min	EN ISO 527
Elongation at break	**6,4**	-	%	5 mm/min	EN ISO 527
Tensil stress at break	**75**	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	**2470**	-	MPa	1 mm/min	EN ISO 527
Charpy notched	**4,5**	-	kJ/m^2	25 J; V-2 mm	EN ISO 179
Charpy unnotched	**86**	-	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	**1,14**		g/cm^3	23 °C	EN ISO 1183-1
Ash content	**0,1**		%	650 °C	EN ISO 3451
Thermal					
Flame rating	-		Class	127x12,7x3,2 mm	UL 94

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

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