

Technical Data Sheet

PC OMILON® MIM GR7035

Product description: polycarbonate, heat stabilized. Available in grey color.

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

Properties	Value		Unit	Condition	Standard
Rheological					
MFR	17		g/10 min	300 °C; 1,2 kg	EN ISO 1133
MVR	16		cm ³ /10 min	300 °C; 1,2 kg	EN ISO 1133
Mechanical					
	dry		cond.		
Tensile stress at yield	60	-	MPa	5 mm/min	EN ISO 527
Elongation at break	10	-	%	5 mm/min	EN ISO 527
Tensile stress at break	50	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	2300	-	MPa	1 mm/min	EN ISO 527
Charpy notched	12	-	kJ/m ²	15 J; V-2 mm	EN ISO 179
Charpy unnotched	NB	-	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	1,2		g/cm ³	23 °C	EN ISO 1183-1
Ash content	-		%	650 °C	EN ISO 3451
Thermal					
Flame rating	-		Class	127x12,7x3,2 mm	UL 94

Processing parameters		
Parameter	Condition	Unit
Drying temperature	120	°C
Drying time	4-6	h
Suggested max moisture drying	0,05	%
Processing (melt) temp	280-300	°C
Mold temperature	80-100	°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.