

Technical Data Sheet

PP OMILEN® P FIM N GF50

Product description: composite of recycled polypropylene contain glass fiber (50%), intended for forming products by extrusion and injection mould. Available in black color.

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

Properties	Value		Unit	Condition	Standard
Rheological					
MFR	3,5		g/10 min	230 °C; 2,16 kg	EN ISO 1133
MVR	3,1		cm³/10 min	230 °C; 2,16 kg	EN ISO 1133
Mechanical					
	dry	cond.			
Tensil stress at yield	45	-	MPa	5 mm/min	EN ISO 527
Elongation at break	6,5	-	%	5 mm/min	EN ISO 527
Tensil stress at break	42	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	5300	-	MPa	1 mm/min	EN ISO 527
Charpy notched	28	-	kJ/m²	4 J; V-2 mm	EN ISO 179
Charpy unnotched	80	-	kJ/m²	25 J	EN ISO 179
Izod notched	-	-	kJ/m²	J; V-2,5 mm	EN ISO 180
Izod unnotched	-	-	kJ/m²	J	EN ISO 179
Physical					
Density	1,21		g/cm³	23 °C	EN ISO 1183-1
Ash content	do 50		%	650 °C	EN ISO 3451
Thermal					
Flame rating	-		Class	127x12,7x3,2 mm	UL 94

Processing parameters

Parameter	Condition	Unit
Drying temperature	80-90	°C
Drying time	2-3	h
Suggested max moisture drying	0,2	%
Processing (melt) temp	180-250	°C
Mold temperature	20-70	°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.