

Technical Data Sheet

PP OMILEN® P FIH K40 BL

Product description: composite of recycled polypropylene contain mineral filler (40%), 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	20	g/10 min	230 °C; 2,16 kg	EN ISO 1133
MVR	20	cm ³ /10 min	230 °C; 2,16 kg	EN ISO 1133
Mechanical				
	dry	cond.		
Tensile stress at yield	20	-	MPa	50 mm/min EN ISO 527
Elongation at break	30	-	%	50 mm/min EN ISO 527
Tensile stress at break	17	-	MPa	50 mm/min EN ISO 527
Flexural strength	-	-	MPa	mm/min EN ISO 178
Tensile modulus	2000	-	MPa	1 mm/min EN ISO 527
Charpy notched	-	-	kJ/m ²	J; V-2 mm EN ISO 179
Charpy unnotched	24	-	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	1,21	g/cm ³	23 °C	EN ISO 1183-1
Ash content	40	%	650 °C	EN ISO 3451
Thermal				
Flame rating	-	Class	127x12,7x3,2 mm	UL 94

Processing parameters		
Parameter	Condition	Unit
Drying temperature	80-100	°C
Drying time	4	h
Suggested max moisture drying	0,2	%
Processing (melt) temp	200-250	°C
Mold temperature	20-80	°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.