

## Technical Data Sheet

### PP OMILEN® P FIM K40

**Product description:** composite of recycled polypropylene contain mineral filler (40%), intended for forming products by extrusion and injection mould.

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

Properties	Value	Unit	Condition	Standard	
<b>Rheological</b>					
MFR	9	g/10 min	230 °C; 2,16 kg	EN ISO 1133	
MVR	7	cm <sup>3</sup> /10 min	230 °C; 2,16 kg	EN ISO 1133	
<b>Mechanical</b>					
	dry	cond.			
Tensile stress at yield	21	-	MPa	50 mm/min	EN ISO 527
Elongation at break	35	-	%	50 mm/min	EN ISO 527
Tensile stress at break	18	-	MPa	50 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	2200	-	MPa	1 mm/min	EN ISO 527
Charpy notched	-	-	kJ/m <sup>2</sup>	J; V-2 mm	EN ISO 179
Charpy unnotched	44	-	kJ/m <sup>2</sup>	4 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	1,21		g/cm <sup>3</sup>	23 °C	EN ISO 1183-1
Ash content	42		%	650 °C	EN ISO 3451
<b>Thermal</b>					
Flame rating	-		Class	127x12,7x3,2 mm	UL 94

Processing parameters		
Parameter	Condition	Unit
Drying temperature	80-100	°C
Drying time	1-2	h
Suggested max moisture drying	0,2	%
Processing (melt) temp	220-260	°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.