

Technical Data Sheet

PP OMILEN® P FIM T20 IM PD

Product description: composite of recycled polypropylene contain mineral filler (20%), 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	15,0	g/10 min	230 °C; 2,16 kg	EN ISO 1133	
Mechanical					
	dry	cond.			
Tensil stress at yield	13	-	MPa	50 mm/min	EN ISO 527
Elongation at break	20	-	%	50 mm/min	EN ISO 527
Tensil stress at break	8	-	MPa	50 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	2100	-	MPa	1 mm/min	EN ISO 527
Charpy notched	21	-	kJ/m ²	4 J; V-2 mm	EN ISO 179
Charpy unnotched	49	-	kJ/m ²	12 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	1,00	g/cm ³	23 °C	EN ISO 1183-1	
Ash content	20	%	650 °C	EN ISO 3451	
Thermal					
Flame rating	-	Class	127x12,7x3,2 mm	UL 94	
Oxidation Induction Time (OIT)	24,3	min	A / 200 °C	EN ISO 11357-6:2018-04 EN ISO 11357-1:2016-11	

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.