

Technical Data Sheet

PBT OMIDUR® IHC

Product description: polybutylene terephthalate

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

Properties	Value	Unit	Condition	Standard
Rheological				
MFR	56	g/10 min	250 °C; 2,16 kg	EN ISO 1133
MVR	46	cm ³ /10 min	250 °C; 2,16 kg	EN ISO 1133
Mechanical				
	dry	cond.		
Tensile stress at yield	50	-	MPa	50 mm/min EN ISO 527
Elongation at break	16	-	%	50 mm/min EN ISO 527
Tensile stress at break	48	-	MPa	50 mm/min EN ISO 527
Flexural strength	-	-	MPa	mm/min EN ISO 178
Tensile modulus	2500	-	MPa	1 mm/min EN ISO 527
Charpy notched	6	-	kJ/m ²	4 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	1,30		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	100-120	°C
Drying time	4	h
Suggested max moisture drying	0,04	%
Processing (melt) temp	250-280	°C
Mold temperature	40-80	°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.