

Technical Data Sheet

ABS OMIREN® A IM BK

Product description: terpolymer, acrylonitrile / butadiene / styrene, injection mould grade, black color. Possibility of UV stabilized version.

Application area: automotive, electrical engineering, household appliances, construction, furniture industry.

Properties	Value	Unit	Condition	Standard	
Rheological					
MFR	17	g/10 min	220 °C; 10 kg	EN ISO 1133	
MVR	18	cm ³ /10 min	220 °C; 10 kg	EN ISO 1133	
Mechanical					
	dry	cond.			
Tensile stress at yield	35	-	MPa	5 mm/min	EN ISO 527
Elongation at break	10	-	%	5 mm/min	EN ISO 527
Tensile stress at break	30	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	2250	-	MPa	1 mm/min	EN ISO 527
Charpy notched	16	-	kJ/m ²	15 J; V-2 mm	EN ISO 179
Charpy unnotched	75	-	kJ/m ²	15 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	1,06		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	80	°C
Drying time	4-6	h
Suggested max moisture drying	0,1	%
Processing (melt) temp	200-260	°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.