

Technical Data Sheet

ABS OMIREN® A IH BK UV

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

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

Properties	Value	Unit	Condition	Standard
Rheological				
MFR	24	g/10 min	220 °C; 10 kg	EN ISO 1133
MVR	26,4	cm ³ /10 min	220 °C; 10 kg	EN ISO 1133
Mechanical				
	dry	cond.		
Tensile stress at yield	40	-	MPa	50 mm/min EN ISO 527
Elongation at break	12	-	%	50 mm/min EN ISO 527
Tensile stress at break	32	-	MPa	50 mm/min EN ISO 527
Flexural strength	-	-	MPa	mm/min EN ISO 178
Tensile modulus	3000	-	MPa	1 mm/min EN ISO 527
Charpy notched	12	-	kJ/m ²	4 J; V-2 mm EN ISO 179
Charpy unnotched	70	-	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	1,04	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	-	%
Processing (melt) temp	220-260	°C
Mold temperature	60	°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.