

Technical Data Sheet

SAN OMIREN® N EM GF35 BK

Product description: acrylonitrile / styrene, injection mould grade, black color.

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

Properties	Value		Unit	Condition	Standard
Rheological					
MFR	12,9		g/10 min	220 °C; 10 kg	EN ISO 1133
MVR	10,2		cm³/10 min	220 °C; 10 kg	EN ISO 1133
Mechanical					
	dry	cond.			
Tensil stress at yield	70	-	MPa	5 mm/min	EN ISO 527
Elongation at break	2,8	-	%	5 mm/min	EN ISO 527
Tensil stress at break	70	-	MPa	5 mm/min	EN ISO 527
Flexural strength	-	-	MPa	mm/min	EN ISO 178
Tensile modulus	8300	-	MPa	1 mm/min	EN ISO 527
Charpy notched	10,1	-	kJ/m²	4 J; V-2 mm	EN ISO 179
Charpy unnotched	23,1	-	kJ/m²	25 J	EN ISO 179
Izod notched	-	-	kJ/m²	J; V-2,5 mm	EN ISO 180
Izod unnotched	-	-	kJ/m²	J	EN ISO 179
Physical					
Density	1,32		g/cm³	23 °C	EN ISO 1183-1
Ash content	35		%	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	3-4	h
Suggested max moisture drying	0,1	%
Processing (melt) temp	220-270	°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.