

THENNIMIR



TUFNYL®	Resin Type	: Polyamide 66	
RB30W1BLACK	properties so toughness, go and chemical	uch as high mechanical strood high temperature perfor resistance. 6 30% glass fiber reinforced,	sin include excellent mechanical and physical ength, excellent balance of stiffness and mance, good electrical properties, abrasion heat resistant material in black for injection
Property	Unit	Testing Method	Typical Data (DAM)
MECHANICAL PROPERTIES			
Tensile strength @ break	MPa	ISO 527	185
Elongation @ break	%	ISO 527	4
Flexural modulus	MPa	ISO 178	9000
Flexural strength	MPa	ISO 178	280
Rockwell hardness	R- Scale	ISO 2039-2	115
Rockwell hardness	M- Scale	ISO 2039-2	90
Izod notched impact strength (+23 C)	KJ/m²	ISO 180	11
THERMAL PROPERTIES			
Heat deflection temp. @ 1.82 Mpa load	°C	ISO 75	250
Melting Point	°C	ISO 11357	260
PHYSICAL PROPERTIES			
Density	kg/m³	ISO 1183	1360
Moisture content	%	DSM	0.20 MAX
PROCESSING GUIDELINES			
Parameter	Unit		Typical Data
PRE-DRYING SETTINGS			
Pre-Drying Temperature	°C		Vacuum/Air Circulated Ovens at 100/80
Pre-Drying Time	Hours		2-4 hrs
It is recommended to pre-dry the material granules in	ı vacuum / air circula	ated ovens using perforated trays	S.
INJECTION MOLDING SETTINGS			
Mold Temperature	°C		80-100
Nozzle Temperature	°C		300
Melting Zone Temperature	°C		290-295
Compression Zone Temperature	°C		285-290
Feed Zone Temperature	°C		270-280

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