



Preliminary Technical Data Sheet

RAVAMID[®] B GF20 T BK

Polyamide 6 Black, 20% glass fiber filled, impact modified, industrial quality compound

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.25
Linear mould shrinkage	/	D955	%	0.28-0.48
Melt Flow Index 250°C/2.16Kg	1133	D1238	g/10 min	-
Water absorption (24h 23°C)	62	D570	%	≤0,15
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	190
HDT/A (annealed)	75	D648	°C	180
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	-
Tensile strength (break)	527	D638	MPa	90
Elongation at break	527	D638	%	5,5
Flexural modulus	178	D790	MPa	4100
Tensile modulus	527	D638	MPa	3500
Izod Impact +23°C (notched)	180/1A	D256	KJ/m ²	6,5
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m ²	6
Charpy Impact + 23°C (unnotched)	179/1U	-	KJ/m ²	40
<u>FLAMMABILITY</u>				
Flammability 3,2 mm	UL94		-	HB
Flammability 1.6 mm	UL94		-	HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
Burning rate (3,2 mm)	FMVSS 302		mm/min	<100