



Preliminary Technical Data Sheet

RAVAMID[®] B GB20 BK45

Polyamide 6 Black, 20% glass beads filled, industrial quality compound

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.28
Linear mould shrinkage	/	D955	%	0.9-1.1
Humidity	960	-	%	≤0.15
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	200
HDT/A (annealed)	75	D648	°C	75
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	65
Tensile strength (break)	527	D638	MPa	60
Elongation at break	527	D638	%	25
Flexural modulus	178	D790	MPa	2600
Tensile modulus	527	D638	MPa	3200
Charpy Impact + 23 °C (notched)	179/1A	-	KJ/m ²	5.5
Charpy Impact + 23 °C (unnotched)	179/1U	-	KJ/m ²	45
<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	FMVSS302		Mm/min	<100