



Preliminary Technical Data Sheet

RAVAMID® B GFB 15/15 BK45

Polyamide 6 Black containing recycled material, 15% glass fiber, 15% glass beads filled, good surface, also available Heat Stabilized (H) and UV Stabilized (UV)

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.36
Linear mould shrinkage (Parallel)	/	D955	%	0.40
Linear mould shrinkage (Perpendicolar)	/	D955	%	0.60
Melt Flow Index 250 °C/2.16Kg	1133	D1238	g/10 min	-
Humidity	960	-	%	≤0.20
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	210
HDT/A (annealed)	75	D648	°C	195
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	90
Tensile strength (break)	527	D638	MPa	85
Elongation at break	527	D638	%	6
Flexural modulus	178	D790	MPa	5000
Tensile modulus	527	D638	MPa	5500
Charpy Impact + 23 °C (notched)	179/1U	-	KJ/m ²	45
Charpy Impact + 23 °C (notched)	179/1A	-	KJ/m ²	5.5
<u>FLAMMABILITY</u>				
Burning rate (FMVSS 302)	ISO 3795	-	mm/min	<100
Flammability 3,2 mm	UL94	-	-	HB
Flammability 1.6 mm	UL94	-	-	HB
Flammability 0.75 mm	UL94	-	-	-
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13		°C	-
<u>ELECTRICAL</u>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	-
Surface resistivity	IEC 60093		Ohm	-
Volume resistivity	IEC 60093		Ohmxcm	-
CTI Comparative Tracking Index	IEC 60112		V	-