



Preliminary Technical Data Sheet

RAVAMID[®] B GF 35 BK45 IK

Polyamide 6 Black , 35% glass fiber filled, industrial quality compound

PROPERTIES	NORM		UNIT	VALUE
GENERAL	ISO	ASTM		
Density	1183	D792	g/cm ³	1.40
Linear mould shrinkage	/	D955	%	0.17-0.85
Humidity	960	-	%	≤0.15
TERMICHE/ THERMAL				
VICAT B50	306	D1525	°C	216
HDT/A (annealed)	75	D648	°C	207
MECCANICHE/ MECHANICAL				
Tensile strength (yield)	527	D638	MPa	-
Tensile strength (break)	527	D638	MPa	148
Elongation at break	527	D638	%	3.2
Flexural modulus	178	D790	MPa	10000
Tensile modulus	527	D638	MPa	10800
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m ²	11.5
Charpy Impact + 23°C (unnotched)	179/1U	-	KJ/m ²	70
Izod Impact Strenght + 23°C (notched)	180/1A	D256	KJ/m ²	11.5
FLAMMABILITY				
Burning Rate (FMVSS302)	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		-
ELECTRICAL				
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		-