



Preliminary Technical Data Sheet

RAVAMID[®] B GF 35 HV NC

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

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.40
Linear mould shrinkage	/	D955	%	0.17-0.85
Humidity	960	-	%	≤0.15
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	220
HDT/A (annealed)	75	D648	°C	210
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	-
Tensile strength (break)	527	D638	MPa	165
Elongation at break	527	D638	%	3
Flexural modulus	178	D790	MPa	8900
Tensile modulus	527	D638	MPa	9800
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m ²	13
Charpy Impact + 23°C (unnotched)	179/1U	-	KJ/m ²	70
Izod Impact Strenght + 23°C (notched)	180/1A	D256	KJ/m ²	10
<u>FLAMMABILITY</u>				
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		-
<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		-