



Preliminary Technical Data Sheet

RAVAMID[®] A GB 30 BK45

Polyamide 66 Black , 30% glass beads filled, industrial quality compound

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.35
Linear mould shrinkage	/	D955	%	0.80-1.00
Humidity	960	-	%	≤0.15
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	240
HDT/A (annealed)	75	D648	°C	85
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	60
Tensile strength (break)	527	D638	MPa	55
Elongation at break	527	D638	%	8
Flexural modulus	178	D790	MPa	4400
Tensile modulus	527	D638	MPa	4500
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m ²	6.5
Charpy Impact + 23°C (unnotched)	179/1U	-	KJ/m ²	35
Izod Impact Strenght + 23°C (notched)	180/1A	D256	KJ/m ²	6.5
<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	°C	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13	°C	°C	-
<u>ELECTRICAL</u>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1	KV/mm	KV/mm	-
Surface resistivity	IEC 60093	Ohm	Ohm	-
Volume resistivity	IEC 60093	Ohmxc	Ohmxc	-
CTI Comparative Tracking Index	IEC 60112	V	V	-