



Preliminary Technical Data Sheet

RAVAMID® A GF45 BK

Polyamide 66 , 45% glass fiber filled, impact modified, industrial quality compound

PROPERTIES	NORM		UNIT	VALUE
GENERAL	ISO	ASTM		
Density	1183	D792	g/cm3	1.51
Linear mould shrinkage	/	D955	%	0.22-1.30
Melt Flow Index 250°C/2.16Kg	1133	D1238	g/10 min	-
Water absorption (24h 23°C)	62	D570	%	-
TERMICHE/ THERMAL				
VICAT B50	306	D1525	°C	245
HDT/A (annealed)	75	D648	°C	230
MECCANICHE/ MECHANICAL				
Tensile strength (yield)	527	D638	MPa	-
Tensile strength (break)	527	D638	MPa	135
Elongation at break	527	D638	%	3.5
Flexural modulus	178	D790	MPa	8400
Tensile modulus	527	D638	MPa	8500
Izod Impact +23°C (notched)	180/1A	D256	KJ/m2	9
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m2	8,5
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	°C	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13	°C	°C	-
ELECTRICAL				
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	-