



Preliminary Technical Data Sheet

RAVAMID[®] A SM BK45

Polyamide 66 Black, containing recycled material, self lubricating grade (Sulphide molybdenum modified, low coefficient of friction)

PROPERTIES	NORM		UNIT	VALUE
<u>GENERAL</u>	ISO	ASTM		
Density	1183	D792	g/cm ³	1.14
Linear mould shrinkage	/	D955	%	1.2-1.7
Humidity	960	-	-	≤0.25
<u>TERMICHE/ THERMAL</u>				
VICAT B50	306	D1525	°C	220
HDT/A (annealed)	75	D648	°C	70
<u>MECCANICHE/ MECHANICAL</u>				
Tensile strength (yield)	527	D638	MPa	65
Tensile strength (break)	527	D638	MPa	60
Elongation at break	527	D638	%	50
Flexural modulus	178	D790	MPa	2200
Izod Impact +23°C (notched)	180/1A	D256	KJ/m ²	7
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m ²	6,5
<u>FLAMMABILITY</u>				
Flammability 3,2 mm	UL94		-	HB
Flammability 1.6 mm	UL94		-	HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
<u>TRIBOLOGICAL</u>				
Coefficient of friction (Static)		D3702	-	0.45
Coefficient of friction (Dinamic)		D3702	-	0.38