

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	NOI	⊃N/I	UNIT	VALUE
THOI LITTLES	ISO	ASTM	UNIT	VALUE
CENEDAL	150	ASTW		
GENERAL	1100	D700	/0	4 4 4
Density Linear mould abrinke as	1183	D792	g/cm3	1.14
Linear mould shrinkage	/	D955	%	1.2-1.7
Humidity	960	-	-	≤0.25
TEDMICHE/THEDMAI				
TERMICHE/ THERMAL VICAT B50	306	D1525	°C	220
	75	D1323	€	70
HDT/A (annealed)	75	D046	-0	70
MECCANICHE/ MECHANICAL				
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 ℃ (notched)	180/1A	D730 D256	KJ/m2	7
Charpy Impact + 23 °C (notched)	179/1A	D230	KJ/m2	6,5
Charpy Impact + 25 C (notched)	179/17	_	NO/IIIZ	0,5
FLAMMABILITY				
Flammability 3,2 mm	UL94		_	НВ
Flammability 1.6 mm	UL94			HB
Glow Wire Flammability Index 2,0 mm	IEC 60695-2-12		°C	650
Glow Wile Flaminability index 2,0 min	120 000	00 'Z-1Z	U	030
TRIBOLOGICAL				
Coefficient of friction (Static)		D3702	_	0.45
Coefficient of friction (Dinamic)		D3702	_	0.38