

Technical Data Sheet

RAVAMID® B STL BK45

Polyamide 6 black containing recycled material, high impact modified, also available UV stabilized (UV)

PROPERTIES	NORM		UNIT	VALUE
	ISO	ASTM		
GENERAL				
Density	1183	D792	g/cm3	1.09
Linear mould shrinkage (Parallel)	/	D955	%	1.00
Linear mould shrinkage (Perpendicolar)	/	D955	%	1.06
Humidity	960	-	%	≤0.25
TERMICHE/THERMAN				
TERMICHE/ THERMAL VICAT B50	206	D1525	°C	100
	306		°C	190 50
HDT/A (annealed)	75	D648	C	50
MECCANICHE/ MECHANICAL				
Tensile strength (yield)	527	D638	MPa	40
Tensile strength (break)	527	D638	MPa	30
Elongation at break	527	D638	%	20
Flexural modulus	178	D790	MPa	1900
Charpy Impact + 23°C (unnotched)	179/1U	-	KJ/m2	NB
Charpy Impact + 23°C (notched)	179/1A	-	KJ/m2	14
Charpy Impact - 30°C (notched)	179	-	KJ/m2	10.5
Izod impact +23°C (notched)	180/1A	-	KJ/m2	15
Izod impact -23°C (notched)	180/1A	-	KJ/m2	10.5
FLAMMABILITY				
Flammability 3,2 mm	UL94		_	НВ
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		°Č	-
ELECTRICAL				
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	-

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