



## 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
<b><u>GENERAL</u></b>	ISO	ASTM		
Density	1183	D792	g/cm3	1.09
Linear mould shrinkage (Parallel)	/	D955	%	1.00
Linear mould shrinkage (Perpendicular)	/	D955	%	1.06
Humidity	960	-	%	≤0.25
<b><u>TERMICHE/ THERMAL</u></b>				
VICAT B50	306	D1525	°C	190
HDT/A (annealed)	75	D648	°C	50
<b><u>MECCANICHE/ MECHANICAL</u></b>				
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
<b><u>FLAMMABILITY</u></b>				
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	650
Glow Wire Ignitability Temperature 1,2 mm	IEC 60695-2-13		°C	-
<b><u>ELECTRICAL</u></b>				
Dielectric rigidity (Oil 1mm)	IEC 60243-1		KV/mm	-
Surface resistivity	IEC 60093		Ohm	-
Volume resistivity	IEC 60093		Ohmxcn	-
CTI Comparative Tracking Index	IEC 60112		V	-