



## Preliminary Technical Data Sheet

### **RAVAMID® C HI BK45**

Polyamide 6/66 blend, impact modified black color for injection molding

PROPERTIES	NORM	UNIT	VALUE
<b><u>GENERAL</u></b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.11
Mould Shrinkage Parallel	ISO 2577	%	1.10
Mould Shrinkage Perpendicular	ISO 2577	%	1.50
Humidity Absorption	ISO 62	%	≤0.25
<b><u>THERMAL</u></b>			
HDT/A (unannealed) (1,82 MPa)	ISO 75 A	°C	55
Melting Temperature	DSC	°C	-
<b><u>MECHANICAL</u></b>			
Tensile strength (yield)	ISO 527	MPa	45
Tensile strength (break)	ISO 527	MPa	42
Elongation at break	ISO 527	%	50
Flexural modulus	ISO 178	MPa	2000
Tensile Modulus	ISO 527	MPa	-
Charpy notched impact strength +23°C	ISO 179/1eA	KJ/m <sup>2</sup>	14
Charpy unnotched impact strength +23°C	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b><u>FLAMMABILITY</u></b>			
Flammability (3.20 mm)	UL	-	HB
Flammability (1.60 mm)	UL	-	HB
Glow Wire Flammability Index (2 mm)	IEC 60695-2-12	°C	650