



## Preliminary Technical Data Sheet

### **RAVAMID® B T GF 15 BK45 UV**

Polyamide 6 Black, containing recycled material, 15 % glass fibre reinforced, impact modified, UV stabilized

PROPERTIES	NORM	UNIT	VALUE
<b><u>GENERAL</u></b>			
Density	ISO 1183	g/cm <sup>3</sup>	1.19 - 1.20
Mould Shrinkage	ISO 2577	%	0.4 - 1.0
<b><u>THERMAL</u></b>			
VICAT B50	ISO 306	°C	180
HDT/A (annealed) (1,82 MPa)	ISO 75 A	°C	170
<b><u>MECHANICAL</u></b>			
Tensile strength (yield)	ISO 527	MPa	95
Elongation at break	ISO 527	%	5
Flexural modulus	ISO 178	MPa	3900
Tensile Modulus	ISO 527	MPa	4300
Charpy notched Impact strength +23 °C	ISO 179/1eU	KJ/m <sup>2</sup>	11
Charpy unnotched Impact strength +23 °C	ISO 179/1eA	KJ/m <sup>2</sup>	62
Izod notched impact strength +23 °C	ISO 180	KJ/m <sup>2</sup>	8
<b><u>VARIOUS</u></b>			
Humidity	ISO 960	%	≤0.15