

	Method	Unit	PEEK	PEEK BG	PPS BG
<b>Colour</b>	-	-	Natural	Black	Blue
<b>Specific Gravity</b>	ISO-1183-1	g/cm3	1,31	1,45	1,42
<b>Water absorption</b>	ISO 62 24/96 hr *	%	0,06 / 0,12	0,05 / 0,11	0,01 / 0,02
	Saturation in air 23°C 50% RH	%	0,2	0,16	0,05
	Saturation in water 23°C	%	0,45	0,35	0,2
<b>Coefficient of thermal expansion</b>	ISO 11357 **	m(m.K)	50*10-6	35*10-6	50*10-6
<b>Thermal conductivity @ 23°C</b>	-	W(K.m)	0,25	0,78	0,3
<b>Max Service temperature 5000 h</b>	-	°C	250	250	220
<b>Min. Service temperature</b>	-	°C	-50	-20	-20
<b>Tensile strength</b>	ISO 527	Mpa	115	78	78
<b>Tensile strain at yield</b>	ISO 527	%	5	-	4
<b>Tensile module of elasticity</b>	ISO 527	MPa	4300	5900	4000
<b>Charpy impact test notched</b>	ISO 179-1	kJ/m2	3,5	3	4
<b>Rockwell hardness</b>	ISO 2039-2	-	M105	M85	M82
<b>Electric Strength</b>	IEC 60243-1	kV/mm	24	-	24
<b>Volume resistivity</b>	IEC 60093	Ohm.cm	10exp14	-	10exp14

\* immersion in water of 23°C

\*\* average value between 23 and 60 °C

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