

	Method	Unit	PA6-E	PA66-E	PA66 GF30
<b>Colour</b>	-	-	Natural - Black	Natural - Black	Black
<b>Specific Gravity</b>	ISO-1183-1	g/cm <sup>3</sup>	1,14	1,14	1,29
<b>Water absorption</b>	ISO 62 24/96 hr *	%	1,28 / 2,50	0,60 / 1,13	0,39 / 0,74
	Saturation in air 23°C 50% RH	%	2,6	2,4	1,7
	Saturation in water 23°C	%	9	8	5,5
<b>Coefficient of thermal expansion</b>	ISO 11357 **	m(m.K)	90*10 <sup>-6</sup>	80*10 <sup>-6</sup>	50*10 <sup>-6</sup>
<b>Thermal conductivity @ 23°C</b>	-	W(K.m)	0,28	0,28	0,3
<b>Max Service temperature 5000 h</b>	-	°C	85	95	120
<b>Min. Service temperature</b>	-	°C	-40	-30	-20
<b>Tensile strength</b>	ISO 527	Mpa	80	95	85
<b>Tensile strain at yield</b>	ISO 527	%	4	5	-
<b>Tensile module of elasticity</b>	ISO 527	MPa	3300	3550	5000
<b>Charpy impact test notched</b>	ISO 179-1	kJ/m <sup>2</sup>	5,5	4,5	6
<b>Rockwell hardness</b>	ISO 2039-2	-	M85	M88	M76
<b>Electric Strength</b>	IEC 60243-1	kV/mm	25	27	27
<b>Volume resistivity</b>	IEC 60093	Ohm.cm	10exp14	10exp14	10exp14

\* immersion in water of 23°C

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

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