

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

* immersion in water of 23°C

** average value between 23 and 60 °C

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Subject to change without notice



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