

# SCHEMA TECNICA PE 500

## TECHNICAL DATA SHEET OF PE 500

	TEST METHOD	UNIT	VALUE
Density	ISO 1183	g/cm <sup>3</sup>	0,98
Molecular weight	Calculated acc. Margolies equation	10 <sup>6</sup> g/mol	> 0,5
Tensile strenght	ISO 527-1	N/mm <sup>2</sup>	> 25
Tensile strenght at break	ISO 527-1	N/mm <sup>2</sup>	> 32
Elongation at break	ISO 527-1	%	> 50
Modulus of elasticity	ISO 527-1	N/mm <sup>2</sup>	900
Impact strenght (CHARPY)	ISO 179	mJ/ mm <sup>2</sup>	no break
Notched impact strenght (CHARPY)	ISO 179	mJ/ mm <sup>2</sup>	no break
Impact strenght with 15° V-notch	ISO 179	mJ/ mm <sup>2</sup>	> 20
Ball-thrust hardness 30 sec.	ISO 2039	-	-
Shore hardness D	ISO 868	-	63
Wear resistance	SAND-SLURRY	-	250
Crystalline grain melting range	DIN 53736	°C	130-135
Thermal conductivity	DIN 52612	W/m*K	0,4
Coefficient of linear expansion	DIN 53752	K <sup>-1</sup>	1,5-2*10 <sup>-4</sup>
Vicat softening temperature VSP/a/50	ISO 306	°C	-
Volume resistance	DIN VDE 0303	Ω*cm	10 <sup>10</sup> -10 <sup>15</sup>
Surface resistance	DIN VDE 0303	Ω	10 <sup>10</sup> -10 <sup>15</sup>
Dielectric strenght	DIN VDE 0303	kV/mm	-
Dielectric loss factor 106Hz	IEC 250	-	-
Dynamic coefficient of friction			0,09-0,18

**N.B. REALIZZIAMO PIASTRE SU MISURA, CON COLORI E LOGHI PERSONALIZZATI.**

**P.N. WE REALIZE PADS WITH CUSTOMIZED LOGOS, COLORS AND DIMENSIONS.**