

# PE8000 G Pressed and Planed

Lime Green

## Technical Sheet



	Test	Unit	Value
Material colour			Yellow, Green, Black
Average molecular weight		$10^6$ g/mol	~ 9
Mass density	ISO 1183	g/cm <sup>3</sup>	0,96
Absorption of water		%	≤ 0,01
Yield stress	ISO 527	MPa	≥ 17
Tensile stress at break	ISO 527	%	≥ 350
Modulus of elasticity in tension	ISO 527	MPa	~ 700
Ball indentation hardness	ISO 2039-1	MPa	42
Hardness shore	ISO 868	-	D60 ... D65
Impact strength	ISO 179	kJ/m <sup>2</sup>	No break
Charpy impact strength	ISO 11542-2	kJ/m <sup>2</sup>	≥ 80
Wear resistance	Sand-Slurry	-	~ 70
Dynamic coefficient of friction		-	≤ 0,15
Permanent temperature		°C	- 200 ... +80
Melting point	ISO 3146	°C	+135
Thermal length expansion coefficient (+23°C ... +80°C)	DIN 53 752	$10^{-4}$ K <sup>-1</sup>	1,5 ... 2
Thermal conductivity (+23°C)	ISO 75-2	W/(m · K)	0,4
Flammability (3,2mm)	UL 94	-	HB
Flammability (≥ 1mm)	DIN 4102	-	B2
volume resistivity	IEC 60093	Ω · cm	≥ 10 <sup>12</sup>
Specific surface resistivity	IEC 60093	Ω	≥ 10 <sup>12</sup>

All The above information is for guide purposes only. The data has been taken from standard test results provided by manufactures.