



Plastic Sales Ltd.

Plastic engineering For the trade.

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PSPE1000 ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE

Natural (white), Green, Blue, Red and Yellow.

Trade name: **PSPE1000 PE-1000** Revision: 07 / 2009

Molding compound pressed	PE,QN,33 G 000
Pressed to molding compound standard	DIN EN ISO 1872, Teil 1
Density, g/cm ³ ,	0.93
ISO 1183	
Yield stress, MPa,	21
DIN EN ISO 527	
Elongation at yield, %, DIN EN ISO 527	11
Tensile modulus of elasticity, MPa, DIN EN ISO	700
Impact strength, kJ/m ² , DIN EN ISO 179	without break
Ball indentation hardness, MPa, DIN EN ISO 2039-1	38
Mean coefficient of linear thermal expansion, K ⁻¹ , DIN 53752	1,8 × 10 ⁻⁴
Vicat B	82
Fire behaviour DIN 4102	B2 normal flammability
Dielectric strength, kV/mm, DIN IEC 60243-1	44
Surface resistivity, Ohm, DIN IEC 60093	>10 ¹⁴
Temperature range, °C	-260 to +80
Physiological safety in accordance with BfR EU-Directive 2002/72/EG FDA-Directive 21CR177.1520 & 21CR178.3297	yes

All specifications are deemed to be approximate values and may vary depending on the processing methods used and the specimen or test piece. In general, data specified applies to average values measured on extruded sheets with a thickness of 4mm. Deviations from the values specified are possible if the sheets in this thickness are not available. Information presented herein cannot necessarily be applied to finished items or products. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. Under no circumstances do they constitute a guaranteed property or quality of the items presented.

For further information, please contact our Technical Service Center: sales@plasticsalesltd.co.uk.

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