



Plastic Sales Ltd.

Plastic engineering For the trade.

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PolyMet

PolyMet is a UHMWPe that is detectable by metal detectors. The material composition allows detection by metal detectors and yet still retains its food industry approval. Approved for direct contact with food.



Characteristics

- Recognition by Metal Detectors
- FDA & BgVV admission corresponds to EU guideline 2002/72/EG
- High Wear resistance
- High impact strength
- Excellent sliding properties low coefficient of friction
- Will not split or crack at low temperatures
- Good chemical resistance

Applications include food confectionary and pharmaceutical. Component parts include wear strips chain guides and machined parts.

Available in

Sheet from 10, 15, 20, 25, 30, 40 and 50 mm thicknesses, 2000 mm x 1000 mm Colour blue.
Solid Rods from 30, 40 and 50 mm diameters, Colour blue.

Yield stress (MPa) DIN EN ISO 527	16
Density (g/cm ³) DIN 53479	>0.93
Temperature range (°C)	-260 to +80
Surface resistivity (Ohm) DIN IEC 60093	10 ¹¹
Shore hardness (D) ISO 53505	68
Elongation at break (%) DIN EN ISO 527	>200
Modulus of elasticity N/mm ² DIN 53457	< 1000
Notched impact strength (kJ/m ²) DIN 53453	<100

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.