

COLOUR CODED PLASTIC “POLYMEX”

Material Specification ‘B’

This specification applies to the thickness range from .015” to .080” and are produced colour-coded from specially reinforced propylene copolymer PP4 which is an excellent engineering material.

THICKNESS & COLOUR

(375mic)	.015”	Matt Red	(1000mic)	.040”	Tan
(500mic)	.020”	Yellow	(1270mic)	.050”	Charcoal Grey
(635mic)	.025”	Light Grey	(1500mic)	.060”	Cream
(760mic)	.030”	Light Blue	(2000mic)	.080	Natural

Thinner gauges (.001” to .015” polish red MX) - please see specification sheet ‘A’

TYPICAL VALUE of PROPERTIES

<u>PROPERTY</u>	<u>VALUES</u>	<u>TEST METHOD</u>
Tensile strength at yield	3560 lbf/in ²	BS 2782 301 G
Ultimate compressive strength	4000-8000 psi	-
Elastic modules in tension	200.000 lbf/in ²	ASTM D790 59T
Izod impact strength (1.00mm notch)	8ft lbf/in notch 430 J/M notch	BS 2782 306A
Brittle failures	None	
Brinell hardness	9.5	BS 240
Softening point	144°C	BS 2782 102D
Co-efficient of linear expansion	11 * 10 ⁵ per deg c	
Surface resistivity	>10 ¹⁵ Ω	BS 2782 203A
Volume resistivity	>10 ¹⁶ Ω cm	BS 2782 202A
Electrical strength	19 kv/mm	BS 2782 206B
Specific gravity	0.91 - 0.95	
Water absorption	0.3 mg (<0.02%)	BS 2782 502D

Resistant to:

Polypropylene sheet is resistant to aqueous solution of non-oxidising or inorganic compounds, most alcohols, ketones and mineral oils, it is however, affected by concentrated solution of oxidising agents, ethers, esters, chlorinated hydrocarbons, some aromatic compounds, petrol and paraffin.

The above properties are typical and no warranty is given or to be implied respect to this information.



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