

# COLOUR-CODED PLASTIC



## PRODUCT DESCRIPTION

Colour-coded plastic is produced from polyester films to meet the particular demands of the engineering, automotive, electrical, electronic industries.

Polyester materials are remarkably tough with very high compressive and dielectric strengths, very low water absorption, excellent; dimensional stability over a wide range of temperatures and good resistance to most chemicals, ozone, and direct sunlight.



### MATERIAL SPECIFICATION 'A' (THICKNESSES FROM .001" TO .015")

Thickness and colour options			
Thickness	Colour	Thickness	Colour
(23mic) .001"	Purple	(150mic) .006"	Clear
(36mic) .0015"	Pink	(350mic) .014"	Natural
(50mic) .002"	Dark Blue	(300mic) .012"	Dark Green
(65mic) .0025"	Black	(175mic) .007"	Peacock Blue
(250mic) .010"	White	(190mic) .0075"	Hazy
(375mic) .015"	Red (MX)	(200mic) .008"	Tint Blue**
(75mic) .003"	Green	(225mic) .009"	Silver
(100mic) .004"	Amber	(275mic) .011"	Gold
(125mic) .005"	Brown		

Thicker gauges (Matt Red .015" to .060") Please see Material Specification 'B'.

\*\* .008" (200mic) is a polyester laminate, and may perform differently in some applications

GENERAL PROPERTIES	VALUES	TEST METHOD
Relative density	1.40 kg/m <sup>2</sup>	ASTM D 1505
Water absorption	0.60% (1 week 24°C)	N/A

MECHANICAL PROPERTIES			
Property	Values		Test Method
	MD*	TD*	
Tensile strength	2000kgf/cm <sup>2</sup>	2600kgf/cm <sup>2</sup>	ASTM D 882
Yield strength	1000kgf/cm <sup>2</sup>	1000kgf/cm <sup>2</sup>	ASTM D 882
Elongation at break	125%	80%	ASTM D 882
Ultimate compressive strength	28500 psi (250A)		ASTM D 695-63T

ELECTRICAL PROPERTIES
Dielectric strength: 6.4kv (23m) 16kv (125m) 23kv (250m) - ASTM D 149
Surface resistivity: >10 <sup>13</sup> Ω/□