

## POLYCO Polythene Films

### PRODUCT SPECIFICATIONS

PROPERTIES	125mu	250mu
Gauge.....	125um (.005")	250um(.010")
Colour.....	Black/Natural.....	Black
Colourant.....	Carbon Black.....	Carbon Black 2.5%
Toxicity.....	Non Toxic.....	Non Toxic
Mfg Process.....	Co-Extrusion.....	Co-Extrusion
Mfg Tolerances Gauge.....	+ / - 15%.....	+ / - 15%
Specific Gravity.....	.910 - .925.....	951kg/m3
Tensile Strength kg/cm2.....	100 - 200.....	22 M.p.a
Puncture resistance ASTM E154-88.....	.....	157.8N, 6.0 Nm
Tear Resistance ASTM D1004.....	.....	25.1 Newtons
Elongation percent.....	400%.....	500%
Water Absorption % 24hrs.....	less than .01%.....	less than .01%
Burning Rate.....	slow.....	slow
Melting Temperature centigrade.....	120-260.....	120 - 260
Resistance to heat - Centigrade.....	82 - 90 C.....	82-90
Resistance to cold - Centigrade.....	-50 C.....	-50
Dielectric Strength volts/ml.....	470.....	470

### Resistance to Substances

Substance	Effect
Water.....	Nil
Ageing.....	Negligible
Dilute Acids.....	Negligible
Conc Non Oxidising Acids.....	Resistant
Conc Oxidising Acids.....	Attacked
Weak Alkalies.....	Nil
Strong Alkalies.....	Nil
Oxidising Agents.....	Nil
Halogens.....	Slight Attack
Mineral Oils.....	Absorption
Food Products - oily.....	Absorption
Food products - non oily.....	Resistant
Ammonia.....	Nil
Ethyl Alcohol.....	Nil
Methyl Alcohol.....	Nil
Organic Solvents.....	Nil
Isopropyl Alcohol.....	Nil
Inorganic Salts.....	Nil
Sunlight UV exposure.....	Slow degradation
Ground Bacteria.....	Nil
Sea Water.....	Nil

The above test results may vary due to manufacturing tolerances. Not every roll is tested and the above are general test figures for the grades specified.

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