

GH4937

Description	Opaque flexible PVC extrusion compound 2002/95/EC (RoHS) compliant
Colour	Natural and colours
Application	For high temperature sheathing (105° C) cables
Specification	Cables to BS 7655 TM3 & U.L. 105° C applications
Form	Granules
Safety Data Sheet	0

PROPERTIES

(These values do not form part of a specification)

UNITS

TEST RESULTS

(Based on B.S. 2782 methods)

Density (varies with colour)	kg/m ³	1370 (Natural)
Water Absorption	% (m/m)	0.13 (Method 430A)
Shore "A" Hardness (15 secs @ 23° C)	Shore "A"	75
Oxygen Index	%	23 (ISO 4589-2)
Volume Resistivity @ 23° C	ohm m	3.5 x 10 ¹¹
Electrical Strength (measured on 1.27mm plaque)		Kv/mm 15.1
Tensile Strength @ 500 mm/min	MPa	13.5 (ISO 811-1-1)
Elongation at Break @ 500 mm/min	%	280 (ISO 811-1-1)
Cold Flex Temperature	° C	-22
Cold Bend Temperature	° C	-40 maximum
BS Softness	BSS°	47

PROCESSING CONDITIONS

Customers are recommended to determine optimum conditions for themselves as these will vary with the type of extruder, cable size and extrusion line speed. As a general guide, typical temperatures are as follows:-

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
Barrel Temperature °C	155	155	160	160	160	165

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