SPECIFICATION SHEET

PRODUCT: C4624 High Temp. Yellow PVC Plastisol (RMYJO1)

RoHS and REACH Compliant

APPLICATION/USE: Manufacture of flexible mouldings by dip moulding technique. Specifically formulated and verified to produce mouldings that will withstand short term exposure to high temperature and have a continuous operating temperature significantly higher than standard flexible PVC.
Not intended or suitable for manufacture of toy trade items.
Not intended or suitable for the manufacture of items likely to come into contact with foodstuffs.

PHYSICAL PROPERTIES:

VISCOSITY: (Brookfield RV Spindle3, 10rpm @20°C) 2700 - 4700 cps

SHORE A HARDNESS: 92 - 94

COLOUR: Yellow paste/fluid colour matched customer supplied sample
L = 74.2 +/- 1.00 a = +4.00 +/- 1.00 b = +75.0 +/- 1.00
Minolta CR-300 Colourimeter (diffuse Xenon arc illuminant)

SPECIFIC GRAVITY: 1.20 – 1.25 gcm^{-3} @20°C

ELONGATION AT BREAK: 200 - 300%

TENSILE STRENGTH: 15 MNm^{-2}

FLAMMABILTY RATING:
(UL94 VERTICAL BURN TEST) - Sample 1.5mm thickness. Based on internal analysis results, this material is expected to be V2 rated – this is NOT a specifically designed fire retardant product and is not routinely tested/independently verified.

ABRASION RESISTANCE: 50mg/1000 cycles (Taber abrader CS10 Wheels/1KG load).

LOW TEMPERATURE FLEXIBILITY: -20°C not recommended for low temperature resistant items or unsupported items.

SERVICE TEMPERATURE: 90°C (Continuous)- will withstand higher temperatures 230°C intermitantly (supported).

OXYGEN INDEX: 23

ELECTRICAL RESISTIVITY
(DIELEXTRIC STRENGTH): 10-11 KV breakdown voltage for a sample of 1mm thickness. (Based on comparison with similar materials)

A FULL LIST OF INGREDIENTS IS AVAILABLE ON REQUEST SUBJECT TO NON-DISCLOSURE AGREEMENT.
ALL MATERIALS SUPPLIED BY CAMPBELL PLASTICS LTD CONTAIN NO ANIMAL TISSUE.
ALL MATERIALS SUPPLIED BY CAMPBELL PLASTICS ARE FULLY REACH COMPLIANT AND CONTAIN NO SUBSTANCES OF VERY HIGH CONCERN (SVHCs)
ROHS (DIRECTIVE 2015/863/EC) COMPLIANT

Our advice and information is given in good faith and based on data which we believe to be reliable. We advise all customers to carry out their own trials to ensure fitness for purpose. We cannot accept responsibility for results obtained.

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