

## DATA SHEET

### hy-vin<sup>®</sup> VT744/6

<b>Description</b>	Clear flexible PVC compound
<b>Colour</b>	Clear and tints
<b>Application</b>	Low toxicity, food contact and general purpose extrusions.
<b>Specification</b>	Free from Substances of Very High Concern as described under REACH regulation. Material complies with the migration requirements of 2002/72/EC and its amendments
<b>Form</b>	Granules
<b>Safety Data Sheet No.</b>	0

#### PROPERTIES

(These values do not form part of a specification)

#### UNITS

#### TYPICAL TEST RESULTS

(Based on B.S. 2782 methods)

<b>Density</b> (varies with colour)	kg/m <sup>3</sup>	1218 (Clear 181)
<b>Shore "A" Hardness</b> (15 secs @ 23° C)	Shore "A"	74
<b>Tensile Strength @ 500 mm/min</b>	MPa	15.3
<b>Elongation at Break @ 500 mm/min</b>	%	315
<b>Cold Flex Temperature</b>	° C	-39
<b>BS Softness</b>	BSS <sup>o</sup>	45

#### **Overall Specific Migration**

Material tested to current EC regulations (directive 2002/72/EC and its amendments) using a total immersion method (EN1186, part 3) in 50% ethanol at 40°C for time periods of 10 mins and 1 hour.

50% Ethanol, 10 mins @ 40°C	mg/dm <sup>2</sup>	1.1
50% Ethanol, 1 hour @ 40°C	mg/dm <sup>2</sup>	2.1

#### PROCESSING CONDITIONS

Customers are recommended to determine optimum conditions for themselves as these will vary with each particular type of machine. As a general guide, typical temperatures are as follows:-

	Zone 1 (Hopper End)	Zone 2	Zone 3	Die
<b>Barrel Temperature °C</b>	145	150	165	170

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