

# Technical Data Sheet

## HP742U

### Polypropylene, Homopolymer

#### Product Description

Viva Energy polypropylene grade HP742U is a very high flow homopolymer with a modified molecular weight. HP742U has been formulated for use in thin walled packaging containers where rapid cycle times are required together with consistent performance, low organoleptic properties (odour and taint) and a balanced level of mechanical properties.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Asia-Pacific; Australia and New Zealand
<b>Application</b>	Containers; TWIM Food Containers
<b>Market</b>	Rigid Packaging
<b>Processing Method</b>	Injection Moulding
<b>Attribute</b>	Fast Cycle (Production); Good Mouldability; High Flow; Homopolymer; Nucleated

Typical Properties	Nominal value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	90	g/10 min	ISO 1133-1
Density, (23°C, Method D)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1850	MPa	ISO 178
Tensile Stress at Yield	38	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	2.2	kJ/m <sup>2</sup>	ISO 180/1A
<b>Hardness</b>			
Shore Hardness, (Shore D)	75		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	102	°C	ISO 75B-1, -2

## Notes

These are typical property values not to be construed as specification limits.

## Regulatory Status

For regulatory compliance information, see Product Stewardship Bulletin and Safety Data Sheet.

## Company Information

For further information regarding Viva Energy please visit [www.vivaenergy.com.au](http://www.vivaenergy.com.au).

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