

# Technical Data Sheet

## HP422M

### Polypropylene, Homopolymer

#### Product Description

Viva Energy polypropylene grade HP422M is a moderate flow polypropylene formulated with a general purpose additive package. HP422M is designed for the production of biaxially orientated polypropylene film on tubular double bubble lines and for cast film applications. HP422M is also suitable for injection moulding applications.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Food Packaging Film; Lamination Film
Market	Consumer Products; Flexible Packaging
Processing Method	BOPP; Cast Film; Injection Moulding
Attribute	Homopolymer; Medium Flow

Typical Properties	Nominal value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	7	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	1400	MPa	ISO 178
Tensile Stress at Yield	31	MPa	ISO 527-1, -2
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	3.5	kJ/m <sup>2</sup>	ISO 180/1A
<b>Hardness</b>			
Shore Hardness, (Shore D)	75		ISO 868
<b>Thermal</b>			
Vicat Softening Temperature	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	82	°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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