

Technical Data Sheet

HP400L

Polypropylene, Homopolymer

Product Description

Viva Energy polypropylene grade HP400L is a moderate flow homopolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. HP400L is designed for injection moulding applications. End use products typically made from HP400L include containers, closures and lids.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Moulding
Attribute	Contact Clarity; General Purpose; Good Stiffness; Homopolymer; Medium Flow

Typical Properties	Nominal value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.0	g/10 min	ISO 1133-1
Density, (23°C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	3.5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
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.

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