

Technical Data Sheet

HP401H

Polypropylene, Homopolymer

Product Description

Viva Energy Polymers polypropylene grade HP401H is a low flow homopolymer with a conventional molecular weight distribution and is formulated with a general purpose additive package. HP401H is designed principally for the production of sheet for subsequent forming operations into packaging containers.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Thermoformed Food Containers
Market	Industrial Packaging; Rigid Packaging
Processing Method	Extrusion Blow Moulding; Thermoforming
Attribute	Good Impact Resistance; Good Processability; Good Stiffness

Typical Properties	Nominal value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.2	g/10 min	ISO 1133-1
Density, (23°C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1450	MPa	ISO 178
Tensile Stress at Yield	33	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	6.0	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
Vicat Softening Temperature	155	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	91	°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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