

Technical Data Sheet

HP548S

Polypropylene, Homopolymer

Product Description

Viva Energy Polymers polypropylene grade HP548S is a high flow homopolymer with a modified molecular weight distribution. It is formulated with a general-purpose additive package and nucleant. HP548S has been formulated for use in thin walled packaging containers, caps and closures where rapid cycle times and enhanced rigidity are required.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Caps & Closures; Containers; TWIM Food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Moulding
Attribute	Fast Cycle (Production); Good Impact Resistance; High Flow; High Rigidity; Homopolymer; Nucleated

Typical Properties	Nominal value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	35	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)	2.3	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	73		ISO 868
Thermal			
Vicat Softening Temperature	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°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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