

Technical Data Sheet

HP555E

Polypropylene, Homopolymer

Product Description

Viva Energy Polymers polypropylene grade HP555E is very low flow homopolymer with a conventional molecular weight distribution and is formulated with an enhanced process stability additive package. HP555E is designed for extrusion processes which demand high melt strength and melt stability characteristics. End use products typically made from HP555E include strapping, mechanically fibrillated yarns, profiles and blow moulded packaging.

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Panels & Profiles; Strapping
Market	Industrial; Building & Construction; Rigid Packaging; Textile
Processing Method	Extrusion Blow Moulding; Sheet; Thermoforming
Attribute	Good Melt Strength; High Melt Stability; Low Flow

Typical Properties	Nominal value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.80	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)	9	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	75		ISO 868
Thermal			
Vicat Softening Temperature	155	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	92	°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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