Technical Data Sheet

Moplen HP555E

Polypropylene, Homopolymer

Product Description

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

Regulatory Status

For regulatory compliance information, see *Moplen* HP555E Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Panels & Profiles; Strapping
Market	Industrial Packaging; Industrial, Building & Construction; Rigid Packaging; Textile
Processing Method	Extrusion Blow Molding; 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/cm³	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/m²	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.