

Technical Data Sheet

Moplen HP555G



Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HP555G is a low flow homopolymer with a conventional molecular weight distribution and is formulated with an enhanced process stability additive package. *Moplen* HP555G is designed for extrusion processes that demand high melt strength and melt stability characteristics. End use products typically made from *Moplen* HP555G include strapping, mechanically fibrillated yarns and profiles.

Application	Panels & Profiles; Strapping
Market	Industrial, Building & Construction; Rigid Packaging; Textile
Processing Method	Extrusion Blow Molding; Sheet
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)	1.3	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)	7.5	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