Moplen HP555G

Polypropylene, Homopolymer

Product Description

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

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Low Flow , Homopolymer, High Melt Stability, Good Melt Strength
Typical Customer Applications	Panels & Profiles, Strapping

Typical Properties	Method	Value	Unit
Physical			
Density (Method D)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.3	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	33.0	MPa
Flexural modulus	ISO 178	1400	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	6.0	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	73	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	82	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	51	°C
Vicat softening temperature (Method A)	ISO 306	155	°C

Notes

Typical properties; not to be construed as specifications.