

Technical Data Sheet

Moplen HP565K



Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HP565K is a medium flow homopolymer with a modified molecular weight distribution and is formulated with an enhanced process stability additive package. *Moplen* HP565K has been developed for the manufacture of high tenacity tapes, ropes and twines.

Application	Raffia/Tapes/Strapping
Market	Consumer Products; Flexible Packaging
Processing Method	Tapes & Raffia
Attribute	Homopolymer; Medium Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.5	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	MPa	ISO 178
Tensile Stress at Yield	31	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	4.5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	74		ISO 868
Thermal			
Vicat Softening Temperature	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	81	°C	ISO 75B-1, -2