

Moplen HP565K

Polypropylene Homopolymer

LyondellBasell Industries

Message:

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

General Information	
Additive	Processing Aid
Features	Food Contact Acceptable
	Good Processing Stability
	Homopolymer
	Medium Flow
Uses	Rope
	Strapping
	Tape
	Twine
Agency Ratings	AS 2070-1999
	FDA 21 CFR 177.1520(a) 1
	FDA 21 CFR 177.1520(c) 1.1

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	73		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306/A

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