

Moplen HP741T

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Lyondellbasell Australia's HP741T is an extra high flow homopolymer with a modified molecular weight. HP741T has been formulated for use in thin walled packaging containers where rapid cycle times are required together with consistent performance, rapid setup, and a balanced level of mechanical properties.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Moldability		
	High Flow		
	Homopolymer		
	Nucleated		
Uses	Containers		
	Food Containers		
	Thin-walled Containers		
Agency Ratings	AS 2070-1999		
	FDA 21 CFR 176.170(c), Table 2, Cond. B		
	FDA 21 CFR 176.170(c), Table 2, Cond. C		
	FDA 21 CFR 176.170(c), Table 2, Cond. D		
	FDA 21 CFR 176.170(c), Table 2, Cond. E		
	FDA 21 CFR 176.170(c), Table 2, Cond. F		
	FDA 21 CFR 176.170(c), Table 2, Cond. G		
	FDA 21 CFR 176.170(c), Table 2, Cond. H		
	FDA 21 CFR 177.1520(a) 1		
Forms	Pellets		
	Injection Molding		
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)	60	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method

Tensile Stress (Yield)	36.0	MPa	ISO 527-2
Flexural Modulus	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	1.8	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	98.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A

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