Moplen HP548S

Polypropylene, Homopolymer

Product Description

LyondellBasell Australias polypropylene grade HP548S is a high flow homopolymer with a modified molecular weight distribution. It is formulated with a general-purpose additive package and nucleant. HP548S has been formulated for use in thin walled packaging containers, caps and closures where rapid cycle times and enhanced rigidity are required.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ
Features	Fast Cycle (Production) , High Flow , Homopolymer, Good Impact Resistance , Nucleated, High Rigidity
Typical Customer Applications	Caps & Closures, Containers, TWIM Food Containers

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	35	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	33.0	MPa
Flexural modulus	ISO 178	1450	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	2.5	kJ/m²
Hardness			
Shore hardness (Shore D)	ISO 868	73	
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	88	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	55	°C
Vicat softening temperature (Method A)	ISO 306	150	°C

Additional Properties

Suitable for the production of articles for food contact use. As supplied in natural form, meets the requirements of Australian Standard 2070 - 1999, "Plastics Materials for Food Contact Use". The base polymer complies with the United States of America Food and Drug Administration (FDA) Code of Federal Regulations 21 CFR177.1520 (a)(1) and (c)1.1. All other components used in the formulation meet the relevant FDA requirements for use in food contact applications. Conformity with these requirements should not be assumed for other variants and should be investigated with the appropriate supply source.

Notes

Typical properties; not to be construed as specifications.