Technical Data Sheet

Moplen HP743V

Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's HP743V is a ultra high flow homopolymer with a modified molecular weight. HP743V has been formulated for use in thin walled packaging containers where rapid cycle times are required together with consistent performance, low organoleptic properties (odour and taint) and a balanced level of mechanical properties.

Regulatory Status

For regulatory compliance information, see *Moplen* HP743V Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Containers; TWIM Food Containers
Market	Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Fast Cycle (Production); Good Moldability; High Flow; Homopolymer; Nucleated

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	120	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm³	ISO 1183
Mechanical			
Flexural Modulus	1850	MPa	ISO 178
Tensile Stress at Yield	38	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	2.0	kJ/m²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	75		ISO 868
Thermal			
Vicat Softening Temperature	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	105	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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(i) U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
(ii) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
(iii) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
(iv) tobacco related products and applications, electronic cigarettes and similar devices.

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(iii) life-sustaining medical applications.

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