



Moplen 2152HOXP

Polypropylene, Homopolymer

Product Description

Moplen 2152HOXP is Basell's latest innovative core development grade, specifically designed for very high speed production of BOPP films. It can be used in plain and coex film structures, providing an easy film stretchability, an improved thickness profile and very good compatability with the skin layer resin.

Moplen 2152HOXP shows an excellent processability / film properties balance and good film optics.

Moplen 2152HOXP does not contain any slip or antistatic agents and it is Calcium Stearate free. The product is suitable for metallization purposes.

Typical applications are packaging of foodstuffs, cosmetics and videocassettes.

For regulatory information please refer to Moplen 2152HOXP Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	BOPP
Features	High Clarity, High Gloss , Homopolymer, Good Optical Properties, Good Processability, Good Stretchability
Typical Customer Applications	Barrier Film, BOPP, Food Packaging Film

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.900 g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	2.0 g/10 min
Mechanical		
Tensile Modulus (1 mm/min)	ISO 527-1, -2	1480 MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	35.0 MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	285 %
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	10 %
Hardness		
Shore hardness (Shore D)	ISO 868	71
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	93.0 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	152 °C

Additional Properties

Typical Film Properties of monolayer film produced on T.M. Long equipment, a laboratory simultaneous film stretcher (7x7@150°C):

Haze, ASTM D 1003, 20 µm: 0.4%

Tensile Tangent Modulus (0-1%), MA 18068, 5 mm/min, 20 µm: 2650 MPa

Stress at Break, MA 18068, 50 mm/min, 20 µm: 127 MPa

Elongation at Break, MA 18068, 50 mm/min, 20 µm: 29%

Notes

Typical properties; not to be construed as specifications.

© LyondellBasell Industries Holdings, B.V. 2012

LyondellBasell markets this product through the following entities:

- ┆ Equistar Chemicals, LP
- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
- ┆ Basell International Trading FZE
- ┆ LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyondellbasell.com/>.

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT.

This product(s) may not be used in:

- (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or
- (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II medical devices; Health Canada Class II or III medical

devices; European Union Class II medical devices; or any equivalent U.S. FDA, Health Canada, or European Union regulations pertaining to medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form; and tobacco-related products and applications. This product(s) may not be used in the manufacture of any of the following applications: U.S. FDA Class III medical devices; Health Canada Class IV medical devices; European Class III medical devices; applications involving permanent implantation into the body; life-sustaining medical applications; and lead, asbestos or MTBE related applications. All references to the U.S. FDA, Health Canada and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

Addhere, Adflex, Adstif, Adsyl, Akoafloor, Akoalit, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, Catalloy, Clyrell, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Glacido, Hifax, Histif, Hostacom, Hostalen, Ideal, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Lupolex, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-Fax, Punctilious, Purell, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBAC, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec are trademarks owned or used by the LyondellBasell family of companies.

Adsyl, Akoafloor, Akoalit, Alathon, Aquamarine, Arconate, Arcopure, Arcosolv, Arctic Plus, Arctic Shield, Avant, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Hifax, Hostacom, Hostalen, Ideal, Integrate, Koattro, Lucalen, Lupolen, Microthene, Moplen, MPDIOL, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Pro-Fax, Punctilious, Purell, Sequel, Softell, Spheripol, Spherizone, Starflex, Tebol, T-Hydro, Toppyl, Tufflo and Ultrathene are registered in the U.S. Patent and Trademark Office.

Release Date: 13 May 2013