

## Moplen RP348U

### Polypropylene, Random Copolymer

#### Product Description

Moplen RP348U is a new random copolymer featuring very high fluidity. It is suitable for injection moulding applications.

Moplen RP348U is clarified with antistatic additivation.

Moplen RP348U exhibits very high fluidity while maintaining the standard stiffness - impact balance of a lower melt flow random copolymer. The product exhibits very good transparency and gloss.

Moplen RP348U can be used in houseware and in food packaging. Its high fluidity allows short processing cycle times, moulding of very thin wall items and very complex geometry.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Injection Molding
<b>Typical Customer Applications</b>	Clear Containers, Housewares, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.9	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	75	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	102	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1050	MPa
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	12	%
<b>Impact</b>			
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	3.5	kJ/m <sup>2</sup>
(0 °C, Type 1, Edgewise, Notch A)		1.0	kJ/m <sup>2</sup>
<b>Hardness</b>			
Ball indentation hardness (H 358/30)	ISO 2039-1	53	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80	°C
Vicat softening temperature A/50	ISO 306	130	°C
Vicat softening temperature B/50	ISO 306	72	°C
<b>Optical</b>			
Haze (1 mm)	ASTM D 1003	11	%

## Notes

Typical properties; not to be construed as specifications.

© LyondellBasell Industries Holdings, B.V. 2014

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.lyb.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: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) 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; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to 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, Alastian, Alathon, Alkylate, Amazing Chemistry, Aquamarine, Aquathene, Arctic Plus, Arctic Shield, Avant, Catalloy, Clyrell, CRP, Crystex, Dexflex, Duopac, Duoprime, Explore & Experiment, Filmex, Flexathene, Fueling the power to win, Get in touch with, Glacido, Hifax, Histif, Hostacom, Hostalen PP, Hostalen ACP, Ideal, Indure, Integrate, Koattro, LIPP, Lucalen, Luflexen, Lupolen, Lupolex, Luposim, Lupostress, Lupotech, Metocene, Microthene, Moplen, MPDIOL, Nerolex, Nexprene, Petrothene, Plexar, Polymeg, Pristene, Proflex, Pro-fax, Punctilious, Purell, Refax, SAA100, SAA101, Sequel, Softell, Spherilene, Spheripol, Spherizone, Starflex, Stretchene, Superflex, TBac, Tebol, T-Hydro, Toppyl, Trans4m, Tufflo, Ultrathene, Vacido and Valtec*, are trademarks owned and/or used by the LyondellBasell family of companies.

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

Release Date: 09 Mar 2009