Moplen HP553P

Homopolymer

PolyMirae

Product Description

Moplen HP553P is the polypropylene homopolymer manufactured by PMC under the license of BASELL using the Spheripol process. *Moplen* HP553P is a homopolymer typically used by customers in high speed production of staple fiber. *Moplen* HP553P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Excellent spinnability/Excellent drawability/Anti-gas fading
Market	Textile
Application	Staple Fiber for diaper and sanitary napkin/Geotextile/Industrial

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	14	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	15000	kg/cm2	ASTM D790
Tensile Strength at Yeild	380	kg/cm2	ASTM D638
Elongation at Yeild	10	%	ASTM D638
Izod Impact Strength (23°C)	4	kgcm/cm	ASTM D256
Rockwell Hardness	104	R-Scale	ASTM D785
HDT (0.46 N/mm²)	105	°C	ASTM D648

1) The above values are typical property values for reference only not be construed as specification limits.
2) Before using a PolyMirae product, users shall review carefully Seller's instructions for the use of such product and make their own independent determination of whether the product is suitable for the intended use and can be used safely and legally. If users fail to comply with Seller's restrictions and instructions for the use of the product or an obligation to notify Seller, if applicable, of each specific application before using such product in certain categories of application, users are solely liable for any injuries or damages resulting from their use of such product and Seller shall have no liability whatsoever.
3) POLYMIRAE MAKES NO WARRANTY, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) UNLESS AGREED OTHERWISE IN A CONTRACT.
4) The use of this product(s) is strictly prohibited in

i. U.S. FDA Class III, Health Canada Class IV, and/or European Union Class III Medical Devices;
ii. applications involving permanent implantation into the body;
iii. life-sustaining medical applications; or
iv. lead, asbestos or MTBE related applications.

Users are solely liable for any injuries or damages resulting from any use of this product(s) in the above categories and Seller shall have no liability whatsoever.
5) The use of this product is further prohibited in the following categories unless Seller receives a prior notice of each specific application using such product, provided that Seller may refuse to sell such product at its sole discretion.

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

※ All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

6) For the purpose of this Disclaimer, "Seller" shall mean PolyMirae and any person or entity appointed by PolyMirae for the sale of the product covered by this Disclaimer.
Users should review the applicable Material Safety Data Sheet before handling the product.

Trademarks

The Trademark referenced within the product name is owned and used by the LyondellBasell group companies and it is used by PolyMirae under license.