Moplen RP345RU

Random copolymer

Product Description

Moplen **RP345RU** is a polypropylene random copolymer manufactured by UlsanPP using **Spheripol** process technology licensed by **LyondellBasell**. This product is specially designed for good processability and high clarity in low processing temperature with balanced mechanical properties. This product is particularly suitable for injection molding of transparency container, houseware, thin walled articles, stationery, caps and lids. ***Moplen*** **RP345RU** meets the **FDA** requirement in the code of Federal Regulations in **21 CFR 177.1520** for food contact and a flame rating of **UL94HB**.

Features	Good clarity / High gloss / Good organoleptics / UL94HB
Market	Rigid packaging, Consumer products
Application	Transparency & food containers / Housewares / TWIM containers / Stationery / Caps and lids

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230℃,2.16kg)	24	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	12500	kg/cm2	ASTM D790
Tensile Strength at Yield	300	kg/cm2	ASTM D638
Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (23℃)	5	kgfcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
HDT (0.46 N/mm²)	90	℃	ASTM D648
Haze	16	%	ASTM D1003

1) The above values are typical property values for reference only, not be construed as specification limits.

2) Before using Ulsan PP 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.

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iii. life-sustaining medical applications; or
iv. lead, asbestos or MTBE related applications.

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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.

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