

Moplen RP344NK

Random copolymer



Product Description

Moplen RP344NK is a nucleated polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed from LyondellBasell. *Moplen* RP344NK is specially designed for good processability, excellent clarity and good hinge property in low processing temperature. *Moplen* RP344NK is suitable for injection molding of transparency container, houseware, food container, bottles(IBM/ISBM), caps and lids. *Moplen* RP344NK meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Good clarity/ High gloss/ Hinge property / Good organoleptics
Market	Rigid Packaging, Consumer Products
Application	Transparency & food containers/ Housewares/ Bottles (IBM/ISBM)/ Caps and lids

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C,2.16kg)	13	g/10 min	ASTM D1238L
Density	0.9	g/cm3	ASTM D1505
Flexural Modulus	12000	kg/cm2	ASTM D790
Tensile Strength at Yeild	300	kg/cm2	ASTM D638
Elongation at Yeild	13	%	ASTM D638
Izod Impact Strength (23°C)	5	kgcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
HDT (0.46 N/mm²)	90	°C	ASTM D648
Haze	14	%	ASTM D1003

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 - 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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