

Moplen RP344RK

Random copolymer



Product Description

Moplen RP344RK is a polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed by LyondellBasell. Moplen RP344RK is specially designed for good processability and high clarity in low processing temperature with balanced mechanical properties. Moplen RP344RK is particularly suitable for injection molding of transparency container, houseware, thin walled articles, stationery, caps and lids. Moplen RP344RK meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Good clarity/ High gloss/ Brilliant color /Good organoleptics
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°C, 2.16kg)	24	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	12500	kg/cm ²	ASTM D790
Tensile Strength at Yeild	300	kg/cm ²	ASTM D638
Elongation at Yeild	8	%	ASTM D638
Izod Impact Strength (23°C)	5	kgcm/cm	ASTM D256
Rockwell Hardness	90	R-Scale	ASTM D785
HDT (0.46 N/mm ²)	95	°C	ASTM D648
Haze	16	%	ASTM D1003

- The above values are typical property values for reference only not be construed as specification limits.
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 - 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;
 - tobacco related products and applications;
 - electronic cigarettes and similar devices; or
 - pressure pipe or fittings that are considered a part or component of a nuclear reactor

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