

Moplen RP5058

Random copolymer



Product Description

*Moplen*RP5058 is a polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed by LyondellBasell. *Moplen*RP5058 is specially designed for good processability and high clarity in low processing temperature with balanced mechanical properties. *Moplen*RP5058 is particularly suitable for injection molding of transparency container, houseware, thin walled articles, stationery, caps and lids. *Moplen*RP5058 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Good clarity/ High gloss/ Good organoleptics
Market	Rigid Packaging, Consumer Products
Application	Transparency & food containers/ Housewares/ TWIM containers/ 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 Yield	300	kg/cm ²	ASTM D638
Elongation at Yield	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)	90	°C	ASTM D648
Haze	16	%	ASTM D1003

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

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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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