

Moplen RP5007K

Random copolymer



Product Description

Moplen RP5007K is a very high fluidity polypropylene random copolymer manufactured by PolyMirae using Spheripol process licensed by LyondellBasell. Moplen RP5007K is specially designed for good processability and excellent clarity in low processing temperature with balanced mechanical properties. Moplen RP5007K is particularly suitable for thin wall injection molding of DVD case, housewares, thin walled articles, transparency containers and boxes. Moplen RP5007K meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Features	Very high fluidity/ Good clarity/ High gloss/ Good organoleptics
Market	Rigid Packaging, Consumer Products
Application	DVD case/ Housewares/ Thin walled articles/ Transparency & food containers

ASTM Data

Typical Properties	Nominal Value	Units	Test Method
Melt Flow Rate (230°C, 2.16kg)	75	g/10 min	ASTM D1238L
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	12000	kg/cm ²	ASTM D790
Tensile Strength at Yield	300	kg/cm ²	ASTM D638
Elongation at Yield	11	%	ASTM D638
Izod Impact Strength (23°C)	4.5	kgcm/cm	ASTM D256
Rockwell Hardness	93	R-Scale	ASTM D785
HDT (0.46 N/mm ²)	90	°C	ASTM D648
Haze	18	%	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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- 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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