

Moplen RP344RK Data Sheet



Transparency container, Houseware

Moplen RP344RK is a nucleated polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed from LyondellBasell.

Moplen RP344RK is specially designed for good processability and excellent clarity in low processing temperature with balanced mechanical properties.

Moplen RP344RK is a random copolymer particularly suitable for injection molding of transparency container, houseware, thin walled articles for food and non food applications, stationery, caps and lids.

Moplen RP344RK meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Product Features

Good processability and excellent clarity in low processing temperature/High productivity with shorter cycle time than conventional random PP/Less bubbles(Voids) in final products/High gloss/Good mechanical property balance/Low odor and low taste transfer/Good color

Typical Applications

Transparency container, Houseware, Food container, TWIM, Stationery, Caps and lids, etc

Typical Resin Properties (a)	ASTM	Value
Melt Flow Rate (230°C, 2.16kg) (g/10min)	D 1238L	24
Density (g/cm ³)	D 1505	0.9
Flexural Modulus (kg/cm ²)	D 790	12500
Tensile Strength at Yield (kg/cm ²)	D 638	300
Elongation at Yield (%)	D 638	8
Izod Impact Strength(23°C) (kgcm/cm)	D 256	5
Rockwell hardness (R scale)	D 785	90
HDT(0.46N/mm ²) (°C)	D 648	95
Haze (%)	D 1003	16

a) The above values are only for guide : not to be construed as specifications.

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c) This grade is not suitable for medical applications.

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