

# Moplen RP5007K

Polypropylene Random Copolymer

PolyMirae

## Message:

Moplen RP5007K is a nucleated and very high fluidity polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed from LyondellBasell.

Moplen RP5007K is specially designed for good processability and excellent clarity in low processing temperature with balanced mechanical properties.

Moplen RP5007K is a random copolymer particularly suitable for injection molding of DVD case, houseware, thin walled articles (TWIM) for food and non food applications, transparency containers and boxes of big size.

Moplen RP5007K meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Flow		
	High Gloss		
	Nucleated		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Media Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.4	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	44	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	91.0	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

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