

Moplen RP210R

Polypropylene Random Copolymer

PolyMirae

Message:

Moplen RP210R is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific for extrusion coating.

Important attributes of Moplen RP210R are:

Low to No Odor/Taste

Copolymer

Fast Molding Cycle

Food Contact Acceptable

Good Aesthetics

Typical applications include:

Bottles

Containers

Food Contact Applications

Household Applications

General Information			
Features	Fast Molding Cycle Food Contact Acceptable Good Colorability Good Flow Good Impact Resistance Good Surface Finish High Gloss Low to No Odor Low to No Taste Medium Rigidity Random Copolymer		
Uses	Bottles Containers Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	23.5	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	13	%	ASTM D638
Flexural Modulus (Injection Molded)	686	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	75.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525

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