

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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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

