

Jampilen RP210G

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP210G is a medium modified polypropylene random copolymer. The product is designed for the extrusion of film and sheet and for blow molding of small and medium sized items. The processability of this grade is excellent and the items produced with it show good impact strength, good clarity and high gloss. Jampilen RP210G also offers the advantages typical of polypropylene: low density, stress cracking resistance (ESCR) and high chemical resistance. Jampilen RP210G is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	High Clarity		
	High ESCR (Stress Crack Resist.)		
	High Gloss		
	Low Density		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Cosmetic Packaging		
	Displays		
	Film		
	Food Containers		
	Packaging		
	Shrink Wrap		
	Stationary Supplies		
Processing Method	Double-Bubble Film		
	Extrusion		
	Extrusion Blow Molding		
	Injection Blow Molding		
	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.0	°C	ASTM D648
Vicat Softening Temperature	135	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss	65		ASTM D2457
Haze	32	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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