

Moplen RP210G

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP210G is a medium modified polypropylene random copolymer designed for blow moulding and sheet & film extrusion. It offers low density, stress cracking resistance and high chemical resistance. Main applications of Moplen RP210G are extrusion of film for packaging & sheet for stationery folders and displays, the extrusion blow moulding of high gloss monolayer bottles, clear or pigmented, for the packaging of cosmetics, detergents, chemicals and food-stuffs.

* Moplen RP210G is suitable for food contact.

General Information			
Features	Low density		
	High ESCR (Stress Cracking Resistance)		
	Highlight		
	Good chemical resistance		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Cosmetic Packaging		
	Decorative Displays		
	Packaging		
	Films		
	Blow molding applications		
	Sheet		
	Bottle		
	Food packaging		
	Stationery		
Processing Method	Film extrusion		
	Blow molding		
	Extrusion blow molding		
	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
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
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
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
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	65		ASTM D523
Haze	32	%	ASTM D1003
NOTE			

1. 压力1 (10N)

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