

Jampilen RP310M

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP310M is a slightly modified polypropylene random copolymer for the production of cast and waterquenched blown film and is formulated with a general purpose package and does not contain any slip or antiblock agents. Jampilen RP310M is designed for quality packaging applications, either as monolayer film or as welding layer on coextruded structures. The product offers excellent processability, high clarity and gloss and good heat weldability. The seal initiation temperature is about 136°C. Due to its good heat weldability, Jampilen RP310M is well suited for lamination to bioriented polypropylene films or other materials to form a welding layer. Jampilen RP310M is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Low Temperature Heat Sealability		
	Random Copolymer		
	Weldable		
Uses	Caps		
	Cast Film		
	Closures		
	Film		
	Food Packaging		
	Laminates		
	Thin-walled Packaging		
Processing Method	Blown Film		
	Cast Film		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	45	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	139	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	91		ASTM D2457
Haze (50.0 µm)	< 1.0	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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