

Jampilen RP316M

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP316M is a slightly modified random copolymer for the production of high transparent cast and water-quenched blown film and is formulated with a slip and antiblock package and exhibits excellent antistatic properties. Jampilen RP316M 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 RP316M is well suited for lamination to bioriented polypropylene film or other materials to form the welding layer. Films produced with Jampilen RP316M is particularly suited for the packaging of foodstuff such as sweets, pasta, biscuits and snacks and for the packaging of books, stationery, blankets, shirts and hosiery. Jampilen RP316M is suitable for food contract.

General Information			
Additive	Antiblock		
	Antistatic		
	Slip		
Features	Antiblocking		
	Antistatic		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Gloss		
	Low Temperature Heat Sealability		
	Random Copolymer		
	Slip		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Thin-walled Packaging		
Processing Method	Bi-axially Oriented Film		
	Blown Film		
	Cast Film		
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
Coefficient of Friction	0.20		ASTM D1894
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)	88		ASTM D2457
Haze (50.0 µm)	< 1.5	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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