

Jampilen RP312M

Polypropylene Random Copolymer

Jam Polypropylene Company

Message:

Jampilen RP312M is a slightly modified random copolymer for the production of cast and blown films and exhibits high rigidity and very good optical properties. The product contains slip and antiblocking agents. Jampilen RP312M offers easy processing on both cast and water-quenched blown film lines. The mechanical properties of the film made with Jampilen RP312M are outstanding and the optical characteristics are superior to films made with conventional random copolymers. The seal initiation temperature is about 136°C and the blooming effect is minimal. Due to the good heat weldability, Jampilen RP312M is suitable for monolayer films as well as sealing layers in coextruded films or in laminated structures (e.g. with BOPP, PA, polyester or aluminum). Films produced with Jampilen RP312M are particularly suited for the packaging of foodstuff, shirts, knitwear and hosiery.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	High Clarity		
	High Rigidity		
	Low Blooming		
	Low Temperature Heat Sealability		
	Opticals		
	Random Copolymer		
	Slip		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Thin-walled Packaging		
Processing Method	Blown Film		
	Cast Film		
	Coextruded 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)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
Vicat Softening Temperature	140	°C	ASTM D1525 ¹
Accelerated Oven Ageing (150°C)	360	hr	ASTM D3012
Optical	Nominal Value	Unit	Test Method
Gloss	86		ASTM D2457
Haze	1.6	%	ASTM D1003
NOTE			

1. Loading 1 (10 N)

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