



Jampilen RP312M

Random Copolymer

Description:

"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.

Processing Method:

Cast Film
Blown Film

Features:

High rigidity
Very good optical properties
Easy processing
High clarity
Good heat weldability
Random copolymer

Typical Applications:

Monolayer films
Sealing layer in coextruded films or in laminated structures
Packaging of foodstuff, shirts, knitwear and hosiery

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	8	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	30	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	40	J/m	ASTM D256
Rockwell Hardness	99	R Scale	ASTM D785
Thermal			
Vicat softening point (9.8N)	140	°C	ASTM D1525
H.D.T. (0.46 Mpa)	92	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
Optical			
Haze	1.6	%	ASTM D1003
Gloss	86	----	ASTM D2457

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