Jampilen RP310M

Random Copolymer

Description:

"Jampilen RP310M" is a slightly modified polypropylene random copolymer for the production of cast and water-quenched 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.

Processing Method:

Cast Film
Water-quenched blown film
Injection Molding

Features:

Good heat weldability
High clarity and gloss
Excellent processability
Random copolymer

Typical Applications:

Monolayer film
Sealing layer in coextruded films or in laminated structures
Packaging of foodstuff such as sweets, pasta, biscuits and snacks
Packaging of books, stationery, blankets, shirts and hosiery
Caps and closures

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	8.0	g/10min	ASTM D1238
Density	0.9	g/cm^3	ASTM D1505
Mechanical			
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield (MD)	20	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	45	J/m	ASTM D256
Rockwell Hardness	94	R Scale	ASTM D785
Thermal			
Vicat softening point (10N)	139	°C	ASTM D1525
H.D.T. (0.46 Mpa)	83	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	hours	ASTM D3012
Optical			
Haze (50 μm)	<1.0	%	ASTM D1003
Gloss (45°, 50 μm)	91	----	ASTM D2457