

Technical Datasheet

EP2 C 30 F

1) Product Description:

EP2 C 30 F is a medium modified polypropylene random copolymer for the extrusion of cast and water-quenched blown film. EP2 C 30 F is formulated with a general purpose stabilization package and does not contain any slip or anti-blocking agents. EP2 C 30F offers good processability, excellent clarity and gloss and exhibits very good heat weld-ability. The seal initiation temperature is about 130°C. EP2 C 30 F is designed for quality packaging applications, either as monolayer film or as welding layer in coextruded structures. Because of the excellent weldability, EP2 C 30 F is well suited for lamination to PP-film or other materials such as PA, polyester or aluminum to form the sealing layer. Film produced with EP2 C 30 F is suited for the packaging of foodstuffs, such as biscuits, sweets, pasta, tea and for the packaging of stationery, shirts and hosiery. EP2 C 30 F is also appropriate for the production of stationery folders.

2) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ISO 1133	dg/min	6
Density	ISO 1183	g/cm ³	0.9
Flexural Modulus	ISO 178	N/mm ²	900
Tensile Strength at Yield	ISO R 527	N/mm ²	25
Elongation at Yield	ISO R 527	%	14
Izod Impact Strength (notched) at 23 °C	ISO 180	KJ/m ²	6
Hardness Shore D	ISO 868	points	95
Vicat Softening point (9.8 N)	ISO 306/A	°C	135
HDT (0.46 MPa)	ISO 75/B	°C	82
Accelerated oven ageing in air (forced circulation) at 150 °C	ASTM D3012	Hours	360
Haze	ASTM D1003	%	0.9
Gloss (45°C)	MTM/MTM	%	90

(a) Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data are accumulated.

b) ISO test methods are the latest under the society's current procedures. All specimens are prepared by injection moulding.

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