

## EP1 X 30 F

EP1 X 30 F is a slightly modified polypropylene random copolymer for the production of cast and water-quenched blown film. EP1 X 30 F is formulated with a general purpose package and does not contain any slip or antiblock agents. EP1 X 30 F 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.

Because of its good heat weldability, EP1 X 30 F is well suited for lamination to bioriented polypropylene films or other materials to form a welding layer.

Film produced with EP1 X 30 F is particularly suited for packaging of foodstuffs such as sweets, pasta, biscuits and snacks and for the packaging of books, stationery, blankets, shirts and hosiery.

EP1 X 30 F is furthermore suitable for injection moulding caps and closures.

PROPERTIES		METHOD (b)	UNIT	TYPICAL VALUE (a)
<b>Physical properties</b>	Melt flow rate (230 °C, 2.16 kg)	ISO 1133	dg / min	8
	Density	ISO 1183	g/cm <sup>3</sup>	0.9
	Flexural modulus	ISO 178	N/mm <sup>2</sup>	1050
<b>Mechanical properties</b>	Tensile strength yield	ISO R 527	N/mm <sup>2</sup>	28
	Elongation at yield	ISO R 527	%	14
	Izod Impact Strength (notched) at 23°C	ISO 180	kJ/m <sup>2</sup>	4,5
	Hardness Shore D	ISO 868	points	67
<b>Thermal properties</b>	Vicat softening point (9.8 N)	ISO 306/A	°C	140
	H.D.T. (0.46 Mpa)	ISO 75/B	°C	90
	Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hours	360
<b>Optical Properties</b>	Haze	MTM 17031	%	0.6
	Gloss (45°C)	MTM 17021	%	88

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.