Polypropylene Moplen EP1 X 30 F

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

Moplen 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, Moplen EP1 X 30 F is well suited for lamination to bioriented polypropylene films or other materials to form a welding layer. Film produced with Moplen 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.

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

Elongation at yield Izod Impact Strength (notched) at 23°C Hardness Shore D ISO 868 ISO 868 ISO 868 Vicat softening point (9.8 N) H.D.T. (0.46 Mpa) Accelerated oven ageing in air (forced circulation) at 150°C ISO 868 ISO 868 ISO 868 Points **C 140 **C 140 **C 90 **Accelerated oven ageing in air (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6	TYPICAL PROPERTIES	METHOD (b)	UNIT	VALUE (a)
Mechanical properties Flexural modulus ISO 178 N/mm² 1050 Tensile strength yield ISO R 527 N/mm² 28 Elongation at yield ISO R 527 % 14 Izod Impact Strength (notched) at 23°C ISO 180 kJ/m² 4.5 Hardness Shore D ISO 868 points 67 Thermal properties Vical 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 ISO 4577 hours 360 Optical properties Haze MTM 17031 % 0.6	Physical properties			
Flexural modulus Tensile strength yield Elongation at yield ISO R 527 Elongation at yield ISO R 527 ISO				-
Tensile strength yield Elongation at yield ISO R 527 ISO	Mechanical properties			
Elongation at yield Izod Impact Strength (notched) at 23°C Hardness Shore D ISO 868 ISO 868 ISO 868 ISO 868 Vical softening point (9.8 N) H.D.T. (0.46 Mpa) Accelerated oven ageing in air (forced circulation) at 150°C ISO 306/A CO	Flexural modulus	ISO 178	N/mm²	1050
Izod Impact Strength (notched) at 23°C ISO 180 kJ/m² 4.5 Hardness Shore D ISO 868 points 67 Thermal properties	Tensile strength yield	ISO R 527	N/mm²	28
Hardness Shore D ISO 868 points 67 Thermal properties 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 ISO 4577 hours 360 (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6			- 10 T	47 404
Thermal properties Vical 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 ISO 4577 hours 360 (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6				10.5.5.
Vical softening point (9.8 N) H.D.T. (0.46 Mpa) Accelerated oven ageing in air (forced circulation) at 150°C Optical properties Haze MTM 17031 C 140 PC 90 150 306/A C 90 FC 90 MTM 17031 C 90 FC 90 F	Hardness Shore D	ISO 868	points	01
H.D.T. (0.46 Mpa) Accelerated oven ageing in air (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6	Thermal properties			
H.D.T. (0.46 Mpa) Accelerated oven ageing in air (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6	Vical softening point (9.8 N)	ISO 306/A	°C	140
Accelerated oven ageing in air ISO 4577 hours 360 (forced circulation) at 150°C Optical properties Haze MTM 17031 % 0.6		ISO 75/B	°C	90
Haze MTM 17031 % 0.6	Accelerated oven ageing in air	ISO 4577	hours	360
naze	Optical properties			
	Haze	MTM 17031	%	0.6
		MTM 17021	%	88