

# Technical Datasheet

## EP1 X 35 HF

### 1) Product Description:

EP1 X 35 HF is a slightly modified random copolymer for the production of cast and blown film. EP1 X 35 HF exhibits a high rigidity and very good optical properties. The product contains slip-and anti-blocking agents. EP1 X 35 HF offers easy processability on both cast and water-quenched blown film lines. The mechanical properties of film made with EP1 X 35 HF 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.

Because of the good heat weldability, EP1 X 35 HF is suitable for monolayer film as well as for sealing layer in coextruded films or in laminated structures, (e.g. with BOPP, PA, polyester or aluminium). Film produced with EP1 X 35 HF is particularly suited for the packaging of foodstuffs, shirts, knitwear and hosiery.

### 2) Typical data:

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (230 °C, 2.16kg)	ISO 1133	dg/min	8
Density	ISO 1183	g/cm <sup>3</sup>	0.9
Flexural Modulus	ISO 178	N/mm <sup>2</sup>	1100
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>	5
Hardness Shore D	ISO 868	points	67
Accelerated oven ageing in air (forced circulation) at 150 °C	ISO 4577	hours	360
Haze	MTM 17031	%	1.6
Gloss (45°C)	MTM 17021	%	86

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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