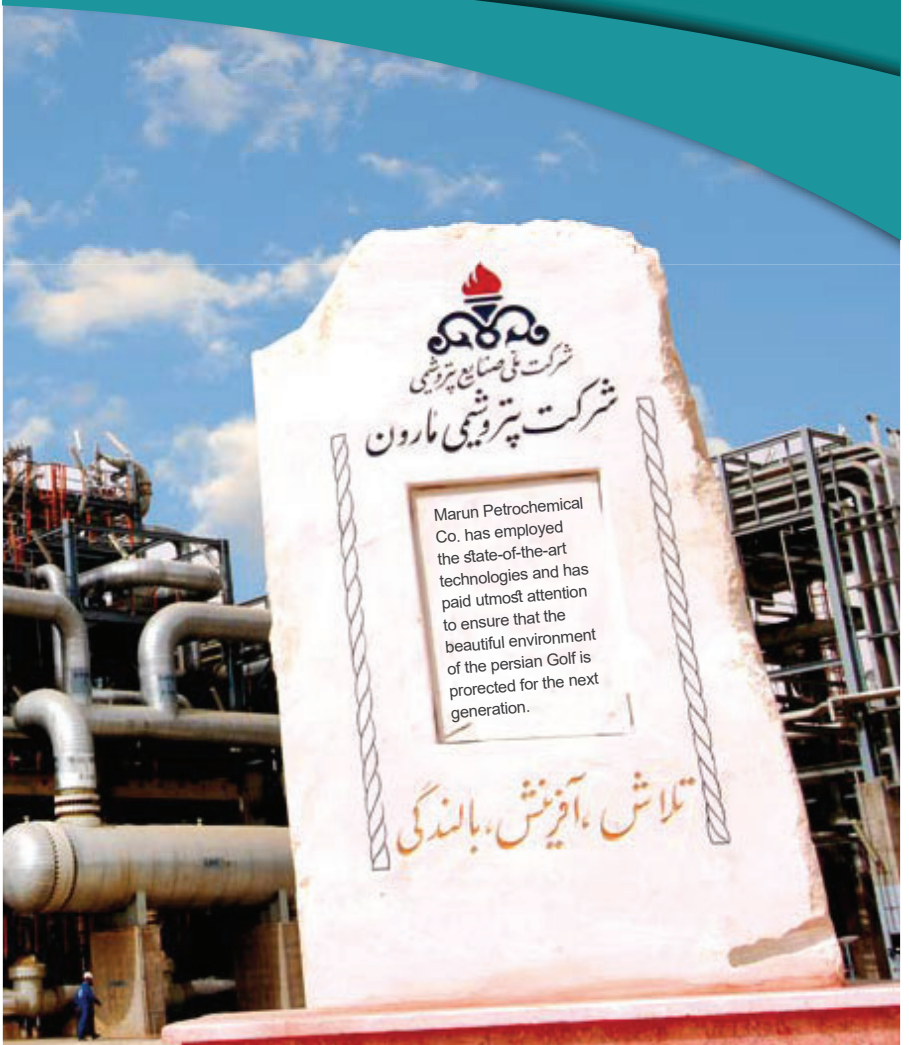


Polypropylene Terpolymer





EP3 C 37 F

EPS C 37 F is a low sealing temperature polypropylene resin. The product is designed for coextruded bioriented polypropylene film and is formulated with a slip and antiblocking package.

EPS C 37 F exhibits very high transparency, excellent gloss and outstanding heat weldability.

Films from EP3 C 37 F show good hot tack and the seal initiation temperature is low (110 to 115°C).

Coextruded BOPP films combine high resistance to oxidation, moisture, fats and oils with good impact and optical properties and are used to produce quality packaging for food, stationery, cosmetics, clothes and cigarettes.

EP3 C 37 F is also suitable for the production of shrinkable coextruded BOPP film for display packaging of cheese, bakery and meat products.



PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	5
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm ²	650
Tensile strength yield	ISO R 527	N/mm ²	22
Elongation at yield	ISO R 527	%	14
IZOD impact strength (notched) at 23°C	ISO 180	kJ/m ²	7.5
Hardness Shore D	ISO 868	Points	61
Thermal properties			
Vicat softening point (9.8N)	ISO 306/A	°C	118
H.D.T.(0.46 Mpa)	ISO 75/B	°C	70
Accelerated oven ageing in air (forced circulation) at 150°C	ISO 4577	hours	360
Optical Properties			
Haze	MTM 17031	%	1.8
Gloss (45°C)	MTM 17021	%	85

● EP3 C 37 F is suitable for food contact.

- 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.



EP3 C 39 F

EP3 C 39 F is a low sealing temperature polypropylene resin. The product is designed for coextruded bioriented polypropylene film and is formulated with an antiblocking package.

EP3 C 39 F exhibits very high transparency, excellent gloss and outstanding heat weldability. The seal initiation temperature is low (110 to 115°C) and the films show good hot tack.

EP3 C 39 F is particularly suited for metallized BOPP films. Metallised BOPP film is used to produce packaging which combines protection against light, moisture, flavour loss, oxidations and temperature variations with good optical properties.

Typical applications of metallised BOPP include packaging for coffee, tea.

Meat products, potato crisps, snacks, cookies, cakes and confectionary, packaging for medical applications, beer labels and liquor cartons.



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Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	5
Density	ISO 1183	g/cm ³	0.9
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● EP3 C 37 F is suitable for food contact.

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.



EP3 X 37 F

EP3 X 37 F is a low sealing temperature polypropylene resin. The product is designed for coextruded bioriented polypropylene film and is formulated with a slip and antiblocking package.

EP3 X 37 F exhibits very high transparency, excellent gloss and outstanding heat weldability. Coextruded BOPP films combine high resistance to, moisture, fats and oils with good impact and optical properties and are used to produce quality packaging for food, stationery, cosmetics, clothes and cigarettes.

EP3 X 37 F is also suitable for the production of shrinkable coextruded BOPP film for display packaging of cheese, bakery and meat products.



PROPERTIES (See notes overleaf)		METHOD (b)	UNIT	
Melt Flow Rate (230 °C 2.16 kg)	(1)	ASTM D 1238L	Dg/min	8
Density	(2)	ASTM D 1505	g/cm ³	0.9
Flexural modulus	(3)	ASTM D 790	N/mm ²	750
Tensile strength at yield	(3)	ASTM D 638	N/mm ²	23
Elongation at yield	(3)	ASTM D 638	%	13
IZOD Impact Strength (notched) at 23°C	(3)	ASTM D 256	J/m	60
Rockwell Hardness	(3)	ASTM D 785	R scale	75
Vicat softening point (10N)	(3)	ASTM D 1525	°C	120
HDT (0.46 N/mm ²)	(3)	ASTM D 648	°C	67
Haze	(4)	ASTM D 1003	%	
Gloss (45°)	(4)	ASTM D 523	%	>=85
Accelerated oven ageing air (forced circulation) at 150°C		ASTM D 3012	hours	360

1) Measured at 230°C under a load of 2.160 kg, with a standard nozzle having a diameter of 2.095 mm.

2) Average nominal value referred to a tensile injection moulded specimen, type I (ASTM D 638).

3) Typical mechanical property values measured on standard specimens, injection moulded under conditions designed to minimise orientation and in-moulded stresses and in line with the conditions generally used by industrial converters. Specimens are conditioned at room temperature (ASTM D618 - Procedure A).

4) The composition of the product complies with the regulations in force in major European countries concerning polypropylene resins for use in food contact applications. Further details can be supplied on request.