

Technical data sheet

Chemicals



EVA REPSOL PRIMEVA® P1820F

EVA copolymer REPSOL PRIMEVA® P1820F is suitable for film extrusion and extrusion coating. This material combines easy processability with excellent mechanical and optical properties. It contains antioxidant additives.

Applications

- Film extrusion.
- Extrusion coating.

Recommended melt temperature below 200°C to avoid the decomposition of the polymer. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt flow rate (190°C, 2.16kg)	2	g/10 min	ISO 1133
Vinyl acetate content	18	%	Internal
Density at 23°C	937	kg/m ³	ISO 1183
Vicat softening temperature (load 10 N)	64	°C	ISO 306
Melting temperature	87	°C	Internal
ESCR	> 300	h(F ₅₀)	ASTM D-1693
Film ⁽¹⁾			
Dart drop (F ₅₀)	600	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	200/275	cN	ISO 6383-2
Tensile strength at break (MD/TD)	26/22	MPa	ISO 527-3
Elongation at break (MD/TD)	320/640	%	ISO 527-3
Haze	4	%	ASTM D-1003
Others			
Shore A hardness	90	-	ISO 868
Shore D Hardness	38	-	ISO 868

(1) 50 µm thickness film, blow up ratio 2.25:1, frost line height 40 cm.

EVA REPSOL PRIMEVA® P1820F complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

Storage

EVA REPSOL PRIMEVA® P1820F should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and the properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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