

Technical Data Sheet

Chemicals



REPSOL PRIMEVA® P1807C

EVA copolymer REPSOL PRIMEVA® P1807C is suitable for extrusion applications (sheets, profiles, pipes). This material combines easy processability with excellent mechanical properties. It contains antioxidant additives.

Applications

- Extrusion:
 - Sheets.
 - Pipes.
 - Profiles.

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)	0.7	g/10 min	ISO 1133
Vinyl acetate content	18	%	Internal
Density at 23°C	941	kg/m ³	ISO 1183
Vicat softening temperature (load 10 N)	62	°C	ISO 306
Melting temperature	87	°C	Internal
FILM⁽¹⁾			
Dart drop (F ₅₀)	>1400	g	ISO 7765-1
Tear resistance (Elmendorf) (MD/TD)	240/340	cN	ISO 6383-2
Tensile strength at break (MD/TD)	31/32	MPa	ISO 527-3
Elongation at break (MD/TD)	800/900	%	ISO 527-3
Haze	4	%	ASTM D-1003

(1) 100 µm thickness film, blow up ratio 2. 5:1, frost line height 50 cm.

Storage

EVA REPSOL PRIMEVA® P1807C 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.



[1/2]

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 registers designs cannot be assumed.

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Disclaimer

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be used in medical, pharmaceutical, or healthcare applications, therefore Repsol does not authorize its use in them.

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

Related documents

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet
- Statement on compliance with food contact regulations

Recommended consumption period: 12 months from the raw material reception

July 2021



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