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Technical data sheet Chemicals

REPSOL

EVA REPSOL PRIMEVA® P1820C

EVA copolymer REPSOL PRIMEVA® P1820C is suitable for extrusion and injection moulding applications. This material combines flexibility and toughness. It contains antioxidant additives.

Applications

- Extrusion.
- Blow moulding.
- Injection moulding.
- Microcellular foams.
- Can be used to produce halogen-free-flame-retardant (HFFR) cables compounds.

Recommended melt temperature below 200ºC 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 (190ºC, 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	ºC	ISO 306
Melting temperature	87	ºC	Internal
ESCR	> 300	h(F_{50})	ASTM D-1693
Mechanical			
Tensile strength at break	17	MPa	ISO 527-2
Elongation at break	750	%	ISO 527-2
Shore A Hardness	90	-	ISO 868
Shore D Hardness	38	-	ISO 868

EVA REPSOL PRIMEVA® P1820C 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® P1820C should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50ºC 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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