



PRIMEVA® P2870C

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA resin REPSOL PRIMEVA® P2870C is recommended for hot melt adhesives applications, injection moulding and extrusion of profiles. EVA resin REPSOL PRIMEVA® P2870C presents low gel content. It contains antioxidant and free flowing agent.

Applications:

- Injection moulding. Release agents containing silicone must be avoided.
- Hot Melt Adhesives.
 - Packaging.
 - Edge veneering.
 - Shoe industry.
- Manufacture of masterbatches.
- Microcellular foams.
- Manufacture of sonic damping sheets.

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

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antioxidant	• Free Flowing Agent	
Features	• Antioxidant • Copolymer	• Food Contact Acceptable • Low Gel	
Uses	• Adhesives • Foam	• Footwear • Masterbatch	• Packaging • Sheet
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Injection Molding	• Profile Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	3190	psi	ISO 527-2
Tensile Strain (Break)	760	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	80		
Shore D	28		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	160	°F	Internal Method
Ring and Ball Softening Point	288	°F	ASTM E28
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity ² (392°F)	1770000	mPa·s	Internal Method

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Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	392	°F
Extrusion	Nominal Value	Unit
Melt Temperature	392	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Spindle SC4-27