



PRIMEVA® P20020

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA resin REPSOL PRIMEVA® P20020 is suitable for injection moulding. This material offers excellent flexibility. It contains antioxidant and free flowing agent.

Applications:

- Injection moulding.
- Blends: microcrystalline and paraffin waxes
- Modification of asphalts

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 • High Flexibility	
Uses	• Asphalt Modification	• Blending	
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ISO 1133
Vinyl Acetate Content	20.0	wt%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	1600	psi	ISO 527-2
Tensile Strain (Break)	780	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A	84		
Shore D	30		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°F	ISO 306/A
Melting Temperature	180	°F	Internal Method
Ring and Ball Softening Point	253	°F	ASTM E28
Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity ²			Internal Method
356°F	966	Pa·s	
392°F	557	Pa·s	

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Processing Information

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

Notes

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

² Spindle SC4-27