PRIMEVA® P2430C

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA resin REPSOL PRIMEVA® P2430C is recommended for injection moulding as well as for blends with other products like waxes and mineral fillers. It contains antioxidant and free flowing agent

Applications:

- Injection moulding. Release agents containing silicone must be avoided.
- Blends with waxes.
- Manufacture of masterbatches.
- Microcellularfoams.
- Extrusion of profiles and sheets with high flexibility.
- Can be used to produce halogen-free-flame-retardant (HFFR) cables compounds.

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	• Blending • Foam	• Masterbatch • Profiles	• Sheet
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Extrusion • Foam Extrusion	• Injection Molding • Profile Extrusion	• Sheet Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.944	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Vinyl Acetate Content	24.0	wt%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	3630	psi	ISO 527-2
Tensile Strain (Break)	740	%	ISO 527-2
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore A	79		
Shore D	29		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	171	°F	Internal Method
Ring and Ball Softening Point	324	°F	ASTM E28

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Fill Analysis	Nominal Value	Unit	Test Method
Brookfield Viscosity [2]			Internal Method
356°F	3728000	mPa·s	
392°F	6696000	mPa·s	

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