PRIMEVA® P0720

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA copolymer REPSOL PRIMEVA® P0720 is suitable for injection, blow moulding and general extrusion applications when flexibility and toughness are required, even at low temperatures. It contains antioxidant additives.

Applications:

- Extrusion.
- Blow moulding.
- Injection moulding. Release agents containing silicone must be avoided.

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		
Features	• Antioxidant • Copolymer	• Food Contact Acceptable • Low Temperature Flexibility	• Low Temperature Toughness
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Blow Molding	• Extrusion	• Injection Molding

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.926	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (ESCR) (F50)	> 100	hr	ASTM D1693
Vinyl Acetate Content	7.5	wt%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	2760	psi	ISO 527-2
Tensile Strain (Break)	750	%	ISO 527-2
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	46		ISO 868
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	176	°F	ISO 306/A
Melting Temperature	217	°F	Internal Method

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.