



PRIMEVA® P1807C

REPSOL - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

EVA copolymer REPSOL PRIMEVA® P1807C is suitable for extrusion applications (sheets, profiles, pipes). This material combines easy processability with excellent mechanical properties. It contains antioxidant additives.

Applications:

- Extrusion:
 - Sheets
 - Pipes
 - Profiles

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 • Good Processability	
Uses	• Piping	• Profiles	• Sheet
Agency Ratings	• EU Food Contact, Unspecified Rating		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.941	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ISO 1133
Vinyl Acetate Content	18.0	wt%	Internal Method
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested ²	4	mil	
Tensile Stress			ISO 527-3
MD : Break	4500	psi	
TD : Break	4640	psi	
Tensile Elongation			ISO 527-3
MD : Break, 3.9 mil	800	%	
TD : Break, 3.9 mil	900	%	
Dart Drop Impact ³ (3.9 mil)	> 1400	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 3.9 mil	0.54	lbf	
TD : 3.9 mil	0.76	lbf	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	144	°F	ISO 306/A
Melting Temperature	189	°F	Internal Method

PRIMEVA® P1807C

REPSOL - Ethylene Vinyl Acetate Copolymer

Optical	Nominal Value	Unit	Test Method
Haze	4.00	%	ASTM D1003

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	392	°F

Notes

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

² blow up ratio 2. 5:1, frost line height 50 cm

³ F50