



ELVALOY™ 4170

Copolymer

Description

Product Description ELVALOY™ 4170 can be used as polymer modifier

Restrictions

Material Status Commercial: Active

Typical Characteristics

Uses Polymer Modifier

Composition Ethylene Terpolymer

Characteristics / Benefits impact modifier/compatibilizer for PET and PBT

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.94 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Rate (190°C/2.16kg)	8 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point (DSC)	72 °C (161.6 °F)	ASTM D3417	ISO 3146

Processing Information

*Maximum Processing Temperature 310 °C (590 °F)

Cast Film / Sheet Processing Nominal Values

Processing Information Temperature guidelines below are for minor amounts of ELVALOY™ 4170 extruded in combination with solid stated PET.

Feed Zone 300 °C (572 °F)

Second Zone 290 °C (554 °F)

Third Zone 285 °C (545 °F)

Fourth Zone 285 °C (545 °F)

Fifth Zone 285 °C (545 °F)

Adapter Zone 285 °C (545 °F)

Die Zone 285 °C (545 °F)

Regulatory Information PET or PBT containing minor amounts of ELVALOY™ 4170 should be tested to confirm they comply with applicable food contact regulations.

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Safety & Handling For information on appropriate Handling & Storage of this polymeric resin, please refer to the material Safety Data Sheet.

A Product Safety Bulletin, material Safety Data Sheet, and/or more detailed information on extrusion processing and/or compounding of this polymeric resin for specific applications are available from your Dow representative.

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Published August 2019

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Version: 111.0
Last modified at 8/31/2019 2:20 PM