



Elvaloy® 741

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

DuPont™ Elvaloy® 741 an ethylene/vinyl acetate/carbon monoxide (E/VA/CO) copolymer.

Elvaloy® 741 is a high molecular weight copolymer often used as a non-migrating, permanent PVC plastizer in roofing, geo-membranes, and other applications needing flexible pvc.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Flexibility	• Good Toughness	• High Molecular Weight
Uses	• Geo Membranes	• Plastics Modification	
Forms	• Pellets		
Processing Method	• Calendering	• Extrusion	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	35	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ISO 1133
Molecular Weight Distribution	Normal		ASTM D3593
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	856	psi	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-25.6	°F	ASTM D3418
Peak Melting Temperature	151	°F	ASTM D3418
Melting Temperature (DSC)	151	°F	ISO 3146

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	< 464	°F

Notes

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