



Elvaloy® 742

DuPont Packaging & Industrial Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

DuPont™ Elvaloy® 742 is an ethylene/vinyl acetate/carbon monoxide (E/VA/CO) copolymer designed for polymer modification.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Molecular Weight		
Uses	• Plastics Modification		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Density	1.02	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	609	psi	ASTM D638
Tensile Elongation (Break)	1200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-25.6	°F	ASTM D3418
Peak Melting Temperature	113	°F	ASTM D3418
Melting Temperature (DSC)	113	°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.