

Elvaloy® 741

Ethylene Vinyl Acetate Copolymer

DuPont Packaging & Industrial Polymers

Message:

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 Information	
Features	Good Flexibility
	Good Toughness
	High Molecular Weight
Uses	Geo Membranes
	Plastics Modification
Forms	Pellets
Processing Method	Calendering
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ASTM D1238, ISO 1133
Molecular Weight Distribution	Normal		ASTM D3593
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	5.90	MPa	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-32.0	°C	ASTM D3418
Peak Melting Temperature	66.0	°C	ASTM D3418, ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	< 240	°C	

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