



Elvaloy® HP441

DuPont Packaging & Industrial Polymers - Thermoplastic

Wednesday, November 6, 2019

General Information

Product Description

DuPont™ Elvaloy® HP441 is a ethylene terpolymer, which is most commonly used as a modifier for a variety of other polymers.

E/nBA/CO = ethylene/n-butyl acrylate/carbon monoxide

Non-migratory plasticizer, and/or flex modifier for a variety of other polymers.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Uses	• Plastics Modification		
Forms	• Pellets		
Processing Method	• Calendering	• Extrusion	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.982		ASTM D792
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	495	psi	ASTM D638
Tensile Elongation (Break)	1200	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	59		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-65.2	°F	ASTM E1356
Melting Temperature (DSC)	138	°F	ISO 3146
Melting Temperature	138	°F	DSC

Notes

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