



## ELVALOY™ HP441

### Copolymer

#### General Information

**Product Description** 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

#### Status

#### Typical Characteristics

**Characteristics / Benefits** Tensile Elongation @ Break: ----- 1213% ----- ASTM D638 / ISO 527-2  
Tensile Strength @ Break: ----- 3.4 MPa (493 psi) ----- ASTM D638 / ISO 527-2  
Durometer Hardness: ----- 59 Shore A ----- ASTM 2240 / ISO 868

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

#### Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ( )	0.98 g/cm <sup>3</sup>	ASTM D792	ISO 1183
*Melt Flow Index ( 190°C/2.16kg)	8 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point( DSC )	59 °C ( 138.2 °F )	ASTM D3418	ISO 3146
*Glass Transition Temperature ( Loss Modulus Peak at 1 Hz)	-54 °C ( -65.2 °F )	ASTM D5418	

#### Processing Information

\*Maximum Processing Temperature 235 °C ( 455 °F )

**Regulatory Information** For information on regulatory compliance within or outside of the U.S.A., consult your local Dow representative.

**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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**P&SP Disclaimer**

**Additional Information**

To contact Dow via Toll-Free or Local Toll phone numbers in specific countries, please see the following webpage:

<https://www.dow.com/en-us/support/contact-representative.html>

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