



Dow Packaging & Specialty Plastics

Product Data Sheet

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 ³	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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http://www.dow.com/products_services

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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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