



ELVALOY™ HP4051

Copolymer

Description

Product Description ELVALOY™ HP4051 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

Restrictions

Typical Characteristics

Characteristics / Benefits Tensile Elongation @ Break: ----- 1126% ----- ASTM D638 / ISO 527-2
Tensile Strength @ Break: ----- 6.2 MPa (896 psi) ----- ASTM D638 / ISO 527-2
Durometer Hardness: ----- 69 Shore A ----- ASTM 2240 / ISO 868

Applications Non-migratory plasticizer, and/or flex modifier for a variety of other polymers.
Most commonly used in ABS and PVC.

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	1.0 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Rate (190°C/2.16kg)	12 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 1 Hz)	-50 °C (-58 °F)	ASTM 5418	

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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