

DuPont™ Elvaloy® HP4051

Elvaloy® resins Product Data Sheet

Description

Product Description DuPont™ 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

Typical Characteristics

Characteristics / Benefits Glass Transition Temperature: ~ (-50)C via ASTM D5418 loss modulus peak 1 hz
 Tensile Elongation @ Break: ~~~~~ 1126% via ASTM D638 / ISO 527-2
 Tensile Strength @ Break: ~~~~~ 6.2 MPa (896 psi) via ASTM D638 / ISO 527-2
 Durometer Hardness (Shore A): ~~~ 69 via 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°F)	ASTM D3418	ISO 3146

Processing Information

General

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

Regulatory Information For information on regulatory compliance within or outside of the U.S., consult your local DuPont 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 DuPont Packaging and Industrial Polymers representative.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

Regional Centres

DuPont operates in more than 70 countries. For help finding a local representative, please contact one of the following regional customer contact centers:

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