

Elvaloy® HP4051

Ethylene n-Butyl Acrylate Copolymer

DuPont Packaging & Industrial Polymers

Message:

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

General Information			
Features	Copolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	69		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6.20	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1100	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	-50.0	°C	DSC
Peak Melting Temperature	59.0	°C	ASTM D3418, ISO 3146
NOTE			

1. loss modulus peak 1 hz

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