

Elvaloy® HP441

Thermoplastic

DuPont Packaging & Industrial Polymers

Message:

DuPont™ 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

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

| General Information | | | |
|---|-----------------------|-------------------|----------------------|
| Uses | Plastics Modification | | |
| Forms | Pellets | | |
| Processing Method | Calendering | | |
| | Extrusion | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.980 | g/cm ³ | ASTM D792, ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238, ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 59 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 3.41 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 1200 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Glass Transition Temperature | -54.0 | °C | ASTM E1356 |
| Melting Temperature | 59.0 | °C | DSC, ISO 3146 |

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