

DuPont Elvaloy® 1126 AC Ethylene and 25% Methyl Acrylate Copolymer (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Methyl Acrylate , Ethylene-Methyl Acrylate Copolymer, Molding Grade

Material Notes:

Elvaloy® 1126 AC is intended for coextrusion and molding. It can be recommended for blow molding of parts requiring permanent flexibility, stress cracking resistance and softness. Excellent filler acceptance makes Elvaloy® 1126 AC suitable for highly filled compounds. Elvaloy® 1126 AC is easily processed on standard equipment used for low-density polyethylene. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvaloy-1126-AC-Ethylene-and-25-Methyl-Acrylate-Copolymer-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|-----------------------|
| Density | 0.944 g/cc | 0.0341 lb/in ³ | ASTM D792 - ISO 1183 |
| Melt Flow | 0.60 g/10 min @Load 2.16 kg, Temperature 190 °C | 0.60 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 - ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------|-----------------------------------|
| Hardness, Shore A | 78 | 78 | ASTM D2240 - ISO 868 |
| Hardness, Shore D | 19 | 19 | ASTM D2240 - ISO 868 |
| Tensile Strength at Break | 14.0 MPa | 2030 psi | 500 mm/min; ASTM D638 - ISO 527-2 |
| Elongation at Break | 860 % | 860 % | 500 mm/min; ASTM D638 - ISO 527-2 |
| Tensile Modulus | 0.0190 GPa | 2.76 ksi | 1 mm/min; ASTM D638 - ISO 527-2 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|---|
| Melting Point | 90.0 °C | 194 °F | By DSC; ASTM D3418 - ISO 3146 |
| Vicat Softening Point | 45.0 °C | 113 °F | A ₅₀ (10N); ASTM D1525 - ISO 306 |

| Processing Properties | Metric | English | Comments |
|-------------------------|--------------|--------------|--|
| Processing Temperature | 140 - 160 °C | 284 - 320 °F | For blow molding |
| Rear Barrel Temperature | 150 °C | 302 °F | Extrusion lamination and extrusion coating |
| | 150 °C | 302 °F | Cast film |
| | 150 °C | 302 °F | Blown film |

| Processing Properties | Metric | English | Comments |
|--------------------------|--------|---------|----------------------|
| | 210 °C | 410 °F | Cast film |
| | 220 °C | 428 °F | Extrusion lamination |
| Front Barrel Temperature | 170 °C | 338 °F | Blown film |
| | 250 °C | 482 °F | Cast film |
| | 290 °C | 554 °F | Extrusion lamination |
| Adapter Temperature | 180 °C | 356 °F | Blown film |
| | 250 °C | 482 °F | Cast Film |
| | 290 °C | 554 °F | Extrusion lamination |
| Die Temperature | 180 °C | 356 °F | Blown film |
| | 250 °C | 482 °F | Cast film |
| | 290 °C | 554 °F | Extrusion lamination |

| Descriptive Properties | Value | Comments |
|------------------------|----------|---------------|
| MA-Content | 25 wt. % | DuPont Method |

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