

DuPont Elvaloy® 2116 AC Ethylene and 16% Ethyl Acrylate Copolymer

Polymer,Film,Thermoplastic

DuPont Packaging and Industrial Polymers

产品说明

Elvaloy® 2116 AC is intended for profile and tube extrusion. Its good chemical resistance, low temperature toughness and good flex life make it outstanding for specialty tubing. The material also is recommended for contour extrusion and for blow molding of toys, gaskets and other parts requiring permanent flexibility, stress cracking resistance and low temperature toughness. Elvaloy® 2116 AC also can be used in film applications where softness and flexibility are needed.Elvaloy® 2116 AC is easily processed on standard equipment used for low density polyethylene. It is very heat stable and does not give corrosive decomposition products during processing, even at the upper limit of the recommended temperature range.Information provided by DuPont.

物理性能	额定值 (公制)	额定值 (英制)	测试方法
密度	0.930 g/cc	0.0336 lb/in³	ASTM D792 - ISO 1183
熔体流动速率	1.0 g/10 min @ Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @ Load 4.76 lb, Temperature 374 °F	ASTM D1238 - ISO 1133
机械性能	额定值 (公制)	额定值 (英制)	测试方法
肖氏硬度 (邵氏 A)	88	88	ASTM D2240 - ISO 868
肖氏硬度 (邵氏 D)	31	31	ASTM D2240 - ISO 868
抗张强度(断裂)	15.0 MPa	2180 psi	500 mm/min; ASTM D638 - ISO 527-2
伸长率 (断裂)	690 %	690 %	500 mm/min; ASTM D638 - ISO 527-2
拉伸模量	0.0400 GPa	5.80 ksi	1 mm/min; ASTM D638 - ISO 527-2
热性能	额定值 (公制)	额定值 (英制)	测试方法
熔融温度	96.0 °C	205 °F	By DSC; ASTM D3418 - ISO 3146
维卡软化温度	60.0 °C	140 °F	A₅₀ (10N); ASTM D1525 - ISO 306
加工性能	额定值 (公制)	额定值 (英制)	测试方法
料筒后部温度	150 °C	302 °F	Extrusion lamination and extrusion coating
	150 °C	302 °F	Cast film
	150 °C	302 °F	Blown film
料筒中部温度	160 °C	320 °F	Blown film
	210 °C	410 °F	Cast film
	220 °C	428 °F	Extrusion lamination
料筒前部温度	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
模具温度	180 °C	356 °F	Blown film
	250 °C	482 °F	Cast film
	290 °C	554 °F	Extrusion lamination
加工(熔体)温度	160 - 220 °C	320 - 428 °F	For blow molding
材料描述			测试方法
EA-Content	16 wt.%		DuPont Method