

DuPont Elvaloy® 1820 AC Ethylene and 20% Methyl Acrylate Copolymer

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

DuPont Packaging and Industrial Polymers

产品说明

Elvaloy® 1820 AC is intended for film coextrusion, compounding and injection molding. Due to its high melt flow rate, it also can be used in extrusion coating/lamination. Elvaloy® 1820 AC has good adhesion to carious substrates (OPA, OPP, paperboard, etc.), gives excellent sealing properties and has high filler acceptance.Elvaloy® 1820 AC is easily processed on standard equipment used for low density polyethylene.Information provided by DuPont.

物理性能	额定值 (公制)	额定值 (英制)	测试方法
密度	0.942 g/cc	0.0340 lb/in³	ASTM D792 - ISO 1183
熔体流动速率	8.0 g/10 min @ Load 2.16 kg, Temperature 190 °C	8.0 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)	87	87	ASTM D2240 - ISO 868
肖氏硬度 (邵氏 D)	28	28	ASTM D2240 - ISO 868
抗张强度(断裂)	11.0 MPa	1600 psi	500 mm/min; ASTM D638 - ISO 527-2
伸长率 (断裂)	780 %	780 %	500 mm/min; ASTM D638 - ISO 527-2
拉伸模量	0.0350 GPa	5.08 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	92.0 °C	198 °F	By DSC; ASTM D3418 - ISO 3146
维卡软化温度	54.0 °C	129 °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
材料描述	测试方法		
MA-Content	20 wt.%		DuPont Method