

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

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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.

• ... † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
€•	0.942 g/cc	0.0340 lb/in•	ASTM D792 - ISO 1183
, f• ... † ‡	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
’ “ † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
ˆ %Š• (< % A)	87	87	ASTM D2240 - ISO 868
ˆ %Š• (< % D)	28	28	ASTM D2240 - ISO 868
€• Ž• (• •)	11.0 MPa	1600 psi	500 mm/min; ASTM D638 - ISO 527-2
’ † (• •)	780 %	780 %	500 mm/min; ASTM D638 - ISO 527-2
“ ’ •	0.0350 GPa	5.08 ksi	1 mm/min; ASTM D638 - ISO 527-2
” † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
, —•	92.0 ,C	198 ,F	By DSC; ASTM D3418 - ISO 3146
ˆ %Š > —•	54.0 ,C	129 ,F	A₅₀ (10N); ASTM D1525 - ISO 306
• — † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
œ• Ž Ÿ —•	150 ,C	302 ,F	Extrusion lamination and extrusion coating
	150 ,C	302 ,F	Cast film
	150 ,C	302 ,F	Blown film
œ• Ÿ —•	160 ,C	320 ,F	Blown film
	210 ,C	410 ,F	Cast film
	220 ,C	428 ,F	Extrusion lamination
œ• j Ÿ —•	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
” € —•	180 ,C	356 ,F	Blown film
	250 ,C	482 ,F	Cast film
	290 ,C	554 ,F	Extrusion lamination
— %Š			Ž • • ’
MA-Content	20 wt.%		DuPont Method