

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

Polymer, Film, Thermoplastic

DuPont Packaging and Industrial Polymers

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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.

• ... † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • •
€ •	0.930 g/cc	0.0336 lb/in•	ASTM D792 - ISO 1183
, f • ... † ‡	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
• " † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • •
ˆ %Š • (< % A)	88	88	ASTM D2240 - ISO 868
ˆ %Š • (< % D)	31	31	ASTM D2240 - ISO 868
€ • Ž • (• •)	15.0 MPa	2180 psi	500 mm/min; ASTM D638 - ISO 527-2
' ' † (• •)	690 %	690 %	500 mm/min; ASTM D638 - ISO 527-2
" ' " •	0.0400 GPa	5.80 ksi	1 mm/min; ASTM D638 - ISO 527-2
" † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • •
, - - •	96.0 ,C	205 ,F	By DSC; ASTM D3418 - ISO 3146
-™Š > - •	60.0 ,C	140 ,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
E π (, f) - •	160 - 220 ,C	320 - 428 ,F	For blow molding
-™Š			Ž • • •
EA-Content	16 wt.%		DuPont Method