

DuPont Elvaloy€ 1609 AC Ethylene and 9% Methyl Acrylate Copolymer

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

DuPont Packaging and Industrial Polymers

€•, f

Elvaloy€ 1609 AC is intended for film coextrusion and injection molding. It can be recommended in film applications where softness, flexibility and excellent sealing properties are needed. Elvaloy€ 1609 AC is easily processed on standard equipment used for low density polyethylene. Information provided by DuPont.

• ... † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
€•	0.930 g/cc	0.0336 lb/in•	ASTM D792 - ISO 1183
, f• ... † ‡	6.0 g/10 min @Load 2.16 kg, Temperature 190 ,C	6.0 g/10 min @Load 4.76 lb, Temperature 374 ,F	ASTM D1238 - ISO 1133
’ “ † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
ˆ %Š• (< %A)	97	97	ASTM D2240 - ISO 868
ˆ %Š• (< %D)	46	46	ASTM D2240 - ISO 868
€• Ž• (• •)	13.0 MPa	1890 psi	500 mm/min; ASTM D638 - ISO 527-2
’ ’ † (• •)	740 %	740 %	500 mm/min; ASTM D638 - ISO 527-2
“ ’ ” •	0.0800 GPa	11.6 ksi	1 mm/min; ASTM D638 - ISO 527-2
” † ‡	ˆ %Š (< €)	ˆ %Š (• €)	Ž • • ’
, —•	101 ,C	214 ,F	By DSC; ASTM D3418 - ISO 3146
ˆ %Š > —•	70.0 ,C	158 ,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	9 wt.%		DuPont Method