

DuPont Elvaloy® 1214 AC Ethylene and 14% Methyl Acrylate Copolymer (discontinued **)

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

Material Notes:

Elvaloy® 1214 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® 1214 AC is easily processed on standard equipment used for low density polyethylene. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Elvaloy-1214-AC-Ethylene-and-14-Methyl-Acrylate-Copolymer-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792 - ISO 1183
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238 - ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240 - ISO 868
Hardness, Shore D	40	40	ASTM D2240 - ISO 868
Tensile Strength at Break	13.0 MPa	1890 psi	500 mm/min; ASTM D638 - ISO 527-2
Elongation at Break	650 %	650 %	500 mm/min; ASTM D638 - ISO 527-2
Tensile Modulus	0.0600 GPa	8.70 ksi	1 mm/min; ASTM D638 - ISO 527-2

Thermal Properties	Metric	English	Comments
Melting Point	97.0 °C	207 °F	By DSC; ASTM D3418 - ISO 3146
Vicat Softening Point	62.0 °C	144 °F	A₅₀ (10N); ASTM D1525 - ISO 306

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	150 °C	302 °F	Extrusion lamination and extrusion coating
	150 °C	302 °F	Cast film
	150 °C	302 °F	Blown film
Middle Barrel Temperature	160 °C	320 °F	Blown film
	210 °C	410 °F	Cast film

Processing Properties	Metric 220 °C	English 428 °F	Comments Extrusion lamination
Front Barrel Temperature	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
Die Temperature	180 °C	356 °F	Blown film
	250 °C	482 °F	Cast film
	290 °C	554 °F	Extrusion lamination

Descriptive Properties	Value	Comments
MA-Content	14 wt. %	DuPont Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China