

Arkema Group Evatane® 1005 VN 4 Ethylene Vinyl Acetate

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

EVA copolymer made by high pressure tubular process. Applications Grade for flexible films with high transparency and very high mechanical properties. Examples: high strength stretch film, greenhouse film. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Evatane-1005-VN-4-Ethylene-Vinyl-Acetate.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	
Melt Flow	0.97 g/10 min @Load 2.16 kg, Temperature 190 °C	0.97 g/10 min @Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	5.50 MPa	798 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Tensile Modulus	0.0750 GPa	10.9 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	93.0 °C	199 °F	10°C/min
Vicat Softening Point	72.0 °C	162 °F	50°C/hr; 50N

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

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