

TOTAL Polyethylene EVA 1005 VN 35

Ethylene Vinyl Acetate Copolymer

TOTAL Refining & Chemicals

Message:

EVA 1005 VN 35 is made by a high pressure tubular process.
Grade for flexible films, with high transparency and outstanding mechanical properties.

General Information	
Features	Food Contact Acceptable
	High Clarity
Uses	Film
Agency Ratings	EC 1907/2006 (REACH)
	EU 2002/72/EC
	EU 2004/1/EC
	EU 2004/19/EC
	EU 2005/79/EC
	EU 2007/19/EC
	EU 2008/39/EC
	EU 975/2009/EC

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Vinyl Acetate Content	12.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	70.0	MPa	ISO 527-2
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Tensile Stress			ISO 527-3
MD : Yield, 40 µm, Blown Film	6.40	MPa	
TD : Yield, 40 µm, Blown Film	5.60	MPa	
MD : Break, 40 µm, Blown Film	39.0	MPa	
TD : Break, 40 µm, Blown Film	37.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 µm, Blown Film	380	%	
TD : Break, 40 µm, Blown Film	650	%	
Dart Drop Test - Blown Film (40.0 µm)	630	g	ISO 7765-1
Elmendorf Tear Strength ¹			ISO 6383-2
MD : 40.0 µm	15.0	kN/m	


TD : 40.0 μm	20.0	kN/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	72.0	°C	ISO 306
Melting Temperature	91.0	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Haze (40.0 μm, Blown Film)	4.4	%	ISO 14782
NOTE			
1.	Blown Film		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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