

Orevac® T 9307 Y

Ethylene Vinyl Acetate Copolymer

Arkema

Message:

OREVAC® T 9307 Y is a random terpolymer of ethylene, vinyl acetate and maleic anhydride made by high-pressure radical polymerization process. As an ethylene copolymer, OREVAC® T 9307 Y is compatible with PE in all proportions, and with most other ethylene copolymers. Vinyl acetate brings softness, flexibility and polarity, maleic anhydride gives reactivity, leading to versatile adhesive properties to polar and non polar substrates. As a result of high-pressure polymerisation in tubular reactor, OREVAC® T 9307 Y exhibits high transparency (low haze).

Applications

OREVAC® T 9307 Y is suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminium foils, fiber mats, foams...

OREVAC® T 9307 Y can also be used as a skin packaging adhesive on all type of cardboard.

General Information			
Features	Good Adhesion		
	High Clarity		
	Terpolymer		
Uses	Adhesives		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.5 to 12	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	13.0 to 15.0	wt%	
Maleic Anhydride Content	1600	ppm	
Ring and Ball Softening Point	145	°C	ASTM E28
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 2.80 mm, Compression Molded)	91		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Break, 2.80 mm, Compression Molded ¹	19.0	MPa	ASTM D638
Break, 2.80 mm, Compression Molded	19.0	MPa	ISO 527-2/5A/50
Tensile Elongation			
Break, 2.80 mm, Compression Molded ²	700 to 900	%	ASTM D638
Break, 2.80 mm, Compression Molded	700 to 900	%	ISO 527-2/5A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	66.0	°C	ISO 306/A, ASTM D1525 ³
Melting Temperature	93.0	°C	ISO 11357-3
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Loading 1 (10 N)		

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