

Orevac® T 9305

Ethylene Vinyl Acetate Copolymer

Arkema

Message:

OREVAC® T 9305 is a random terpolymer of ethylene, vinyl acetate and maleic anhydride made by high-pressure radical polymerization process. As an ethylene copolymer, OREVAC® T 9305 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.

Applications

OREVAC® T 9305 is compatible with most tackifying resins and waxes and can be used for hot melt adhesives formulations. OREVAC® T 9305 is also suitable to produce thermo-adhesive films for solid substrates like PA, PET & PU films, aluminium foils...

General Information			
Features	Good Adhesion		
	Terpolymer		
Uses	Adhesives		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	150 to 210	g/10 min	ASTM D1238, ISO 1133
Vinyl Acetate Content	26.0 to 30.0	wt%	
Maleic Anhydride Content	6400	ppm	
Ring and Ball Softening Point	92	°C	ASTM E28
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 2.80 mm, Compression Molded)	75		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Break, 2.80 mm, Compression Molded ¹	5.50	MPa	ASTM D638
Break, 2.80 mm, Compression Molded	5.50	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	< 40.0	°C	ISO 306/A, ASTM D1525 ³
Melting Temperature	68.0	°C	ISO 11357-3
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Loading 1 (10 N)		

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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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