

Polyvinyl chloride VINISOL COOH

Description:

Vinisol COOH is vinyl chloride, vinyl acetate and mono butyl maleate terpolymer resin. Vinisol COOH is used in applications that require excellent solubility and functionality of the carboxyl group. Carboxylic groups in the polymer are acid and react to form a strong ionic bond with several metallic substrates. Vinisol COOH films show an excellent adhesion to metal parts, including aluminium, steel and galvanized iron.

Applications:

Adhesive for blister-type packaging for food products
Printing inks for packaging
Printing inks for metal parts
Adhesives for staples
Adhesives for beverage bottle lids and food packages
Adhesives for cables
Anticorrosive paints
Metal primers

Technical Specifications:

	Value	Unit	Test Method
Volatile Content	max. 2,00	%	JIS K-6721
Vinyl Acetate Content	12,0 ± 1,0	%	ISO 1159-78F
Vinyl Chloride Content	82,0 ± 2,0	%	-
Mono Butyl Maleate Content	6,0 ± 1,0	%	-
Insoluble Matter (Hegman)	min. 2,0	-	NBR 7135
Brookfield Viscosity in MIBK (1)	max. 300	cP	ASTM D-1824
Brookfield Viscosity in Ethyl Acetate (2)	max. 600	cP	ASTM D-1824
Film Appearance (3)	Transparent	-	IT-0602-00499
Adhesion on Galvanised Steel (4)	Yes	-	IT-0602-00518
Adhesion on Aluminium (5)	Yes	-	IT-0602-00504

(1) Brookfield Viscosimeter - 20 rpm, no aging, RVTD model, spindle # 3, temperature 25° C, 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes. (2) Brookfield Viscosimeter - 20 rpm, no aging, RVTD model, spindle # 3, temperature 25° C, 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes. (3) 20% solution in MIBK - Methyl Iso Butyl Ketone, heated during preparation @ 55°C for 30 minutes, spread on a glass plate. (4) Qualitative test: the answer can be (Yes), which means the existence of adhesion to galvanized steel. (5) Qualitative test: the answer can be (Yes), which means the existence of adhesion to aluminium.

Packaging and Storage:

Vinisol COOH is supplied in multi-ply paper bags of 22.7 kg (50 lbs). The bag must be stored at temperatures under 35°C, protected from moisture and direct sunlight, and kept on pallets to avoid direct contact with the floor.

Shelf Life:

Three years under recommended storage conditions.

Precautions and Safety:

Please refer to the MSDS (Material Safety Data Sheet), available at www.braskem.com.br.

Final Comments:

The composition of Vinisol COOH complies with US FDA regulations for direct contact with foods. The data and information contained in this data sheet information represent our current knowledge stage, and serve only as a guide for product applications. In case of doubts about specific applications, please contact our technical service department on e-mail pvc@braskem.com.br.