Vulcabond™ NP4043

Single component Bonding Agent for PVC plastisols coated onto polyamide or polyester

Vulcabond	**NP4043**
Type	Bonding Agent
Appearance	Pale yellow liquid
Viscosity at 25°C, Pas	10
Active ingredient, %	30
Flash point, °C closed cup	>100
Free NCO %	4.4
Free TDI %	0.5

These are typical values.

Vulcabond

Vulcabond bonding agents are used in PVC plastisols when coated onto woven polyester or polyamides such as nylon to prevent material failure caused by delamination of the PVC coating. Vulcabond products are single component bonding agents and with careful selection of stabilisers, viscosity modifiers, PVC grades and fabric type will ensure optimum pot life viscosity during coating and good coating adhesion throughout its service life. The free NCO content is a measure of the amount of active groups available for bonding to fabric.

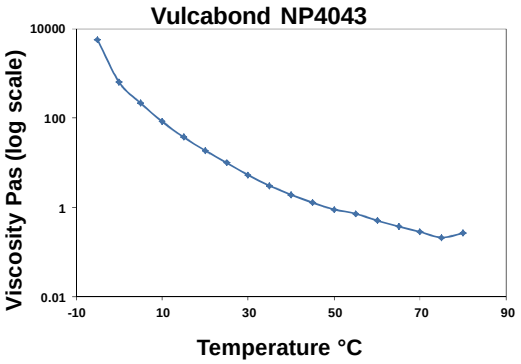
Typical end products containing bonding agents include marquees, awnings, truck sidings, tarpaulins, conveyor belting, outdoor clothing and printed tee shirts.

Performance

Vulcabond NP4043 contains 30% polyisocyanurate and is not based on a phthalate carrier. It is particularly recommended for applications where the highest bond strength is required.

Vulcabond NP4043 change in product viscosity with temperature

Temperature °C	-5	5	15	25	35	45	55
Viscosity Pas	5721	216	37	10	3	1.2	0.7



Addition Level

4.0 to 8.0 %.

Supplementary Information

The length of stability and colour control can be further improved when used in conjunction with an epoxy plasticiser, such as Lankroflex E2307 or Lankroflex ED6 (3.0 to 5.0 phr). Lankroflex ED6 helps to maintain low plastisol viscosity during coating. Biocide products from the Intercide range are often used in this application to prevent fungal and bacterial growth on the coated fabric

Packaging, Storage & Handling

Vulcabond NP4043 is supplied in drums of approximate nett weight 210 kg. Storage at room temperature is recommended. Vulcabond products are sensitive to water so once opened, drums should be firmly closed after use. Full information on the safe handling of this product is available on the Health and Safety Data Sheet.

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