Desmocoll® 540/4

Characterization	Predominantly linear hydroxyl polyurethane Desmocoll® 540/4 is a flexible polyurethane with an extremely high crystallization rate and very low thermoplasticity. It is characterised by its high green strength and the heat resistance of the bonds. Desmocoll® 540/4 has outstanding adhesion on PVC substrates and high resistance to the most commonly used PVC plasticizers.
Form supplied	Granules

Specification

Property	Value	Unit of measurement	Method
Solution viscosity, 15 % in butanone-2 (MEK) at 23 °C, Haake	1,800 ± 300	mPa·s	DIN EN ISO 3219/A.3

Other data*

Property	Value	Unit of measurement	Method
Hydroxyl content	< 0.1	%	DIN 53 240
Density	approx. 1.2	g/ml	DIN EN ISO 2811
Crystallization	approx. 10	min	DIN 53 505
Minimum activation temperature	approx. 60	°C	DIN EN 12961
Hot tack life	approx. 4	min	DIN EN 12961
Heat resistance	approx. 80	°C	ASTM D 816
Bondability of materials containing plasticizers	excellent		DIN EN 15307

*These values provide general information and are not part of the product specification.

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Desmocoll® 540/4

Appearance of solution (visual)	slightly cloudy; depending on storage time, storage conditions and formulation, yellowing may occur	
Solubility (visual)	butanone-2	soluble
	acetone	soluble
	ethyl acetate	insoluble
	acetone/toluene (2 : 1)	swells
	MEK/ethyl acetate (1 : 1)	swells
Properties / Applications	Desmocoll® 540/4 is suitable for the formulation of adhesives for use on various materials, e.g. leather, rubber, textiles, wood, many plastics (including PU elastomers), plastic films and aluminium foils.	
Disposal	Please pay attention to the current safety data sheet.	
Packaging	Paper sack, 30 units of 25 kg are loaded on a pallet to give a total weight of 750 kg.	
Storage	- Storage in original sealed Bayer MaterialScience containers. - Recommended storage temperature: 10 - 25 °C. - Protect from direct sunlight, moisture, heat and foreign material.	

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Storage time	Bayer MaterialScience represents that, for a period of six months following the day of shipment as stated in the respective transport documents, the product will meet the specifications or values set forth in section "specifications or characteristic data" above, what ever is applicable, provided that the product is stored in full compliance with the storage conditions set forth in and referenced under section "storage" above and is otherwise handled appropriately. The lapse of the six months period does not necessarily mean that the product no longer meets specifications or the set values. However, prior to using said product, Bayer MaterialScience recommends to test such a product if it still meets the specifications or the set values. Bayer MaterialScience does not make any representation regarding the product after the lapse of the six months period and Bayer MaterialScience shall not be responsible or liable in any way for the product failing to meet specifications or the set values after the lapse of the six months period.
Labeling and REACH applications	This product data sheet is only valid in conjunction with the latest edition of the corresponding Safety Data Sheet. Any updating of safety-relevant information – in accordance with statutory requirements – will only be reflected in the Safety Data Sheet, copies of which will be revised and distributed. Information relating to the current classification and labeling, applications and processing methods and further data relevant to safety can be found in the currently valid Safety Data Sheet .

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