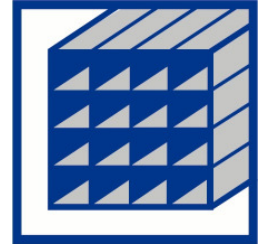


Plasticizers for solvent based tape casting



DOLACOL W

The use of phthalates as plasticizers is widespread in the tape casting process, as it is in many industries. However, in recent years their use has become questionable due to their mutagenic properties.

The plasticizers produced by Zschimmer & Schwarz are **phthalate free**, and they make the production of tapes possible if the use of phthalates has been discontinued. The effect of the plasticizers offered by Zschimmer & Schwarz is comparable to that of phthalates and an exchange on a 1:1 basis is often possible.

In terms of chemical composition, these are harmless **carboxylic acid derivatives** or **polyglycols**, have no need to be labelled as dangerous and are especially designed for use in tape casting. They can be used in combination with binders for tape casting with organic solvents, as well as with water based binders.

Plasticizers
for solvent based tape casting

PRODUCT	Properties							Usage with binders			
	Active matter [%]	Chemical basis	Containing phthalates	Solubility				PVB	PVA	Poly-acrylate	DOLACOL B 4002 DOLACOL B 4006 DOLACOL B 4009
				Water	Ethanol	MEK	Toluene				
DOLACOL W 5000	100	Preparation of carbonic acid esters	No	-	●	●	●	●	-	●	●
DOLACOL W 5003	100	Polyalkylene oxide	No	●	●	●	-	●	●	●	●

● usable - not usable