



HARTBEN 405

TYPE	Aromatic polyisocyanate polymer.		
DELIVERY FORM	80 % in ETHYLACETATE		
COMPOSITION AND PHYSICAL CONSTANTS			
Standard Inspection			Review 000
	Test Methods	Units	Specifications
PRODUCT SPECIFICATIONS*	BN1	Solids % (+/-1)	80
	BN 5/ASTM D 1544	Colour Gardner - Hellige	2 max.
	BN 6/ASTM D 1545	Viscosity (Gardner-Holdt at 25°C)	M-R
	BN 16/ASTM 2172-91	NCO percentage	---
	BN 20/Visual	Aspect	Clear
PERFORMANCE AND SUGGESTED USES	<p>HARTBEN 405 is a modified polyurethane polymer without any free NCO groups, with excellent properties of flexibility, adhesion and gloss.</p> <p>HARTBEN 405 is suggested as nitrocellulose plasticizer in flexografic inks and over-print varnishes.</p> <p>HARTBEN 405 shows excellent adhesion on aluminim, paper, pretreated polyolefin films and plastic substrates such as PP and PE, cellulose acetate and polyamide substrates.</p>		
SOLUBILITY AND COMPATIBILITY	<p>Aromatics</p> <p>Aliphatics</p> <p>Esters-Ketones</p> <p>Alcohols</p> <p>Nitrocellulose</p>	<p>Soluble</p> <p>Insoluble</p> <p>Soluble</p> <p>Soluble</p> <p>Soluble</p>	
STORAGE AND SHELF LIFE	<p>The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.</p>		
GUIDELINE AND SAFETY	<p>Under the above mentioned storage conditions the shelf life of the resin will be at least 12 months ex works.</p> <p>For any information related to handling and toxicological knowledge about this resin please refer to the Safety data Sheet.</p>		
*Product Specification Hartben 405			
Review 000			
Customer Approval Signature:		Date:	
(Nothing receiving within 7 days, we assume accepted the conditions we proposed.)			

This edition deletes and substitutes all the preceeding ones. The above information is reliable and accurate to the best of our knowledge and is not intended to violate any existing or pending patents. We suggest always to carry out laboratory tests before using the product.