RHODORSIL[®] TCS 7513 A & B

March 2006	TECHNICAL DATA SHEET Cancels and replaces				
Description	RHODORSIL TCS 7513 A & B is a two-component heat curing liquid silicone elastomer which cures by a polyaddition reaction. All products from the Textile Coating System product line are specially engineered for textile coating applications.				
Advantages	 High bond strength <u>without primer</u> on textiles from different origins. Very low viscosity. High levels of penetration and encapsulation of the fibers. Long bath life at room temperature. Solventless. 				
Applications	 Textile coating and impregnation on various substrates such as polyester, polyamide, glass fiber, for good penetration and low add-on weights. This silicone elastomer can be processed through knife coating, transfer coating, dip-coating 				
Properties	1. Before mixing				
		RHODORSIL TCS 7513 A	RHODORSIL TCS 7513 B		
	Appearance	Viscous liquid	Viscous liquid		
	Colour	Transparent	Transparent		
	Specific gravity at RT	1.0	1.0		
	Viscosity at RT, mPa.s	2,500	3,500		
	(Mesured with Brookfield viscosimeter, needle n° 6, speed 5rpm)				
	2. Mixing the two components				
	RHODORSIL TCS 7513 A RHODORSIL TCS 7513 B Catalyst Pot life of mixture at RT , h, approx. Viscosity of the mix at RT, mPa.s Curing time at 150 °C , min, approx.		10 parts 16 2 500		
	3. Mechanical properties of the cured material (measured after cross-linking 10 min at 150 °C + 30 min at 23 °C)				
	Hardness, Shore A, approx				

Properties	4. Application properties of the coated textile			
	(coating of 25 g/m2 on 470 dtex polyamide 6,6, 18/18)			
	Flex abrasion resistance (ISO 5981A), cycles> 500 Tear strength, (tongue ASTM D 2261), N (approx.)> 300 Flame resistance (FMVSS 302), mm/min, approx			
Processing	 To ensure a uniform mix, the components should be thoroughly stirred prior to use. Adhesion depends on the curing conditions. A preliminary test is recommended to determine optimum cure conditions. In case of hand mixing, deair the mix under vacuum 3-5 kPa before use. Curing inhibition may occur in contact with certain materials containing tin salts, amines or sulphur. A preliminary test is recommended. 			
Packaging	RHODORSIL TCS 7513 A can be delivered in 200 kg drums. RHODORSIL TCS 7513 B can be delivered in 20 kg drums.			
Storage and shelf life	 For its shelf life, please refer to the expiry date (best before « month-year ») marked on the packaging. To preserve all the properties of RHODORSIL TCS 7513 A & B, the following conditions must be observed: The original closed packs must be kept at a temperature between - 20°C and + 30°C. The product must be used as soon as the packs are opened. 			
Safety	Consult the Safety Data Sheet of RHODORSIL TCS 7513 A & B.			
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