

## DEUREX® H 91 K

### TECHNICAL INFORMATION

<b>Chemical description:</b>	Hybrid wax based on Fischer-Tropsch and Polyethylene wax		
<b>Production process:</b>	Homogeneously melted wax hybrid		
<b>Benefits:</b>	<p>Hybrid waxes offer a variety of wax properties:</p> <ul style="list-style-type: none"> <li>- Contains short-chained polyethylene waxes to optimize adhesion and flexibility on the surface of the end product and UV resistance</li> <li>- Contains long-chained Fischer-Tropsch waxes to increase scratch and abrasion resistance</li> <li>- Contains high-melting polyolefin waxes to increase the temperature resistance and hydrophilicity of the surface</li> </ul>		
<b>Applications:</b>	<p><u>Hot melts</u></p> <ul style="list-style-type: none"> <li>- Reduction of open time, improved adhesion, no stringing</li> </ul> <p><u>PVC</u></p> <ul style="list-style-type: none"> <li>- External lubricant, surface protection</li> </ul> <p><u>Rubber</u></p> <ul style="list-style-type: none"> <li>- Lubricant, release agent</li> </ul> <p><u>Raw material to produce micronized waxes</u></p> <ul style="list-style-type: none"> <li>- Paints and coatings</li> <li>- Increased scratch resistance and slip</li> </ul>		
<b>Properties:</b>	<ul style="list-style-type: none"> <li>- Excellent abrasion and scratch resistance</li> <li>- Very good chemical and weather resistance</li> <li>- Improved UV-resistance and anti-blocking properties</li> </ul>		
<b>Technical data:</b>	Colour:	White	
	Delivery form:	<b>DEUREX® H 91 K</b> = Fine granules	
		Minimum	Maximum
	Drop point*	110 °C	120 °C
	Penetration:		2 mm*10 <sup>-1</sup>
	Density (23 °C):	0.94 g/cm <sup>3</sup>	0.95 g/cm <sup>3</sup>
			Method
			LV 12 (DGF M-III 3)
			LV 4 (DIN 51579)
			LV 3 (DIN ISO 1183)
	* Part of certificate of analysis		
<b>Approvals:</b>	EU: Regulation (EU) 10/2011	BRD: BfR recommendation XXV	
	USA: FDA 21 CFR §§ 175.105; 175.250; 175.300; 175.320; 176.170; 176.180; 177.1200; 177.1390		
	(Approvals with regard to limitations and migration values in the final application)		
<b>Alternative delivery forms:</b>	<b>DEUREX® H 9125 M</b> – Micronized powder, 98% < 25 µm		
	<b>DEUREX® H 9108 W</b> – Water-based dispersion, 98% < 8 µm		
<b>Alternative products:</b>	<b>DEUREX® E 09 K</b> – Fine granules of Polyethylene wax		
	<b>DEUREX® T 39 K</b> – Fine granules of Fischer-Tropsch wax		

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