

DEUREX® EO 44 P

TECHNICAL INFORMATION

Chemical description:	Oxidized HDPE wax																																
Production process:	Wet Oxidation																																
Applications:	<p><u>PVC and other plastics</u></p> <ul style="list-style-type: none"> - Can be used in all U-PVC and P-PVC applications but also in C-PVC <p><u>Hot melt</u></p> <ul style="list-style-type: none"> - Adhesion, heat resistance, increase production output - Increase heat resistance of hotmelts 																																
Benefits:	<ul style="list-style-type: none"> - White powder, transparent melt - Finer particle size compared to DEUREX® EO 44 K 																																
Properties:	<p>Partially internal and external wax, highly effective which</p> <ul style="list-style-type: none"> - Accelerates fusion - Increases torque and pressure - Synergistic effect in combination with non-polar PE waxes by reduction of melt viscosity - Very effective for use in processing PVC regrind 																																
Typical dosages:	<p>Depending on the rheological requirements:</p> <ul style="list-style-type: none"> - Up to 0.2 phr for PVC, up to 0.5 phr for C-PVC 																																
Technical data:	<table border="0"> <tr> <td>Colour:</td> <td>White</td> <td></td> <td></td> </tr> <tr> <td>Delivery form:</td> <td>DEUREX EO 44 P</td> <td>= Powder</td> <td></td> </tr> <tr> <td></td> <td>Minimum</td> <td>Maximum</td> <td>Method</td> </tr> <tr> <td>Drop point:</td> <td>133 °C</td> <td>136 °C</td> <td>LV 12 (DGF M-III 3)</td> </tr> <tr> <td>Acid value*:</td> <td>15 mgKOH/g</td> <td>17 mgKOH/g</td> <td>DIN EN ISO 2114</td> </tr> <tr> <td>Penetration:</td> <td></td> <td>0.5 mm*10⁻¹</td> <td>LV 4 (DIN 51579)</td> </tr> <tr> <td>Viscosity (140 °C):</td> <td></td> <td>4.000 mPas</td> <td>LV 2 (DIN EN ISO3104)</td> </tr> <tr> <td>Density (23 °C):</td> <td>0.97 g/cm³</td> <td>0.99 g/cm³</td> <td>LV 3 (DIN EN ISO 1183)</td> </tr> </table> <p>* Part of certificate of analysis</p>	Colour:	White			Delivery form:	DEUREX EO 44 P	= Powder			Minimum	Maximum	Method	Drop point:	133 °C	136 °C	LV 12 (DGF M-III 3)	Acid value*:	15 mgKOH/g	17 mgKOH/g	DIN EN ISO 2114	Penetration:		0.5 mm*10 ⁻¹	LV 4 (DIN 51579)	Viscosity (140 °C):		4.000 mPas	LV 2 (DIN EN ISO3104)	Density (23 °C):	0.97 g/cm ³	0.99 g/cm ³	LV 3 (DIN EN ISO 1183)
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Approvals:	<p>EU: Regulation (EU) 10/2011 USA: FDA CFR §§ 175.105, 176.180, 176.200, 176.210, 177.2800 (Approvals with regard to limitations and migration values in the final application)</p>																																
Alternative products:	<p>DEUREX® EO 40 K – Oxidized LDPE wax, acid value 19 DEUREX® EO 43 P – Oxidized HDPE wax, acid value 7</p>																																
Alternative delivery forms:	<p>DEUREX® EO 44 K – Oxidized HDPE wax, acid value 16 DEUREX® EO 4520 M – Micronized oxidized HDPE wax, 98% < 20 µm DEUREX® EO 4501 W – HDPE emulsion, 98% < 1 µm</p>																																

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