



# Product Data Sheet

## SYLVAPRINT® RL 43

**SYLVAPRINT® RL 43 PHENOLIC MODIFIED ROSIN ESTER** is a high solubility, low to medium viscosity resin designed for both wetting and co-resin applications. A high solubility in ink and vegetable oils along with the inherent viscosity characteristics offer fast solvent release and high gloss for both heatset and sheetfed vehicles and ink systems. **SYLVAPRINT® RL 43** can be used for both pigment grinding and flushing applications.

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Good gel reactivity</li> </ul>	<ul style="list-style-type: none"> <li>• Provides strong gel formation</li> </ul>
<ul style="list-style-type: none"> <li>• Good pigment wetting</li> </ul>	<ul style="list-style-type: none"> <li>• Improved economics in pigment wetting applications</li> <li>• High gloss</li> </ul>
<ul style="list-style-type: none"> <li>• Low molecular weight and viscosity</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent pigment wetting</li> <li>• High gloss</li> </ul>
<ul style="list-style-type: none"> <li>• High aliphatic tolerance</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent ink oil tolerance</li> </ul>

PROPERTIES	TEST METHOD	SOLVENT SYSTEM	SPECIFICATIONS
Acid Value, mg KOH/g	AQCM001	-----	5 – 30
Cloud Point, °C	AQCM059	10% in PKWF® 6/9 AF	130 – 145
Viscosity, 23 °C, 25 s <sup>-1</sup> Pa.s	AQCM072	45% in PKWF® 6/9	12.5 – 22.5
			<b>TYPICAL VALUE</b>
Softening Point, Ring & Ball, °C	AQCM003	-----	150

AQCM (Arizona Quality Control Method) available upon request

RHEOLOGY IN SELECTED SOLVENTS*			
<b>% Resin</b>		35	33
<b>Solvent</b>	QC varnish	PKWF® 6/9 AR blend	ARLO
Flow Viscosity (23 °C, 25 s <sup>-1</sup> Pa.s)	21.1	0.8	3.4
Tan Δ (23 °C)	14.28	----	89
G' (23 °C)	13.08	----	2.7



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Revision July 2009

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification.



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## SYLVAPRINT® RL 43

<b>HANDLING &amp; STORAGE</b>	SYLVAPRINT® RL 43 should be stored indoors in the original, unopened and undamaged packaging in a dry place, preferably below 25°C and away from all sources of heat.  Under the above mentioned storage conditions the shelf life of SYLVAPRINT® RL 43 will be 3 months ex works.
<b>SHIPPING CLASSIFICATION</b>	Not classified
<b>CN CODE</b>	3806.3000
<b>PACKAGING</b>	SYLVAPRINT® RL 43 is available in 25 kg paper bags on 1000 kg pallets and in big bags (500/1000 kg)
<b>HEALTH &amp; SAFETY</b>	Please refer to Material Safety Data Sheet

\* PKWF® is a registered trademark of Haltermann, a division of The Dow Chemical Company



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