



Ethox

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FORMULATION FOR CARBON BLACK UNIVERSAL (RESIN FREE) DISPERSION USING ESPERSE 100

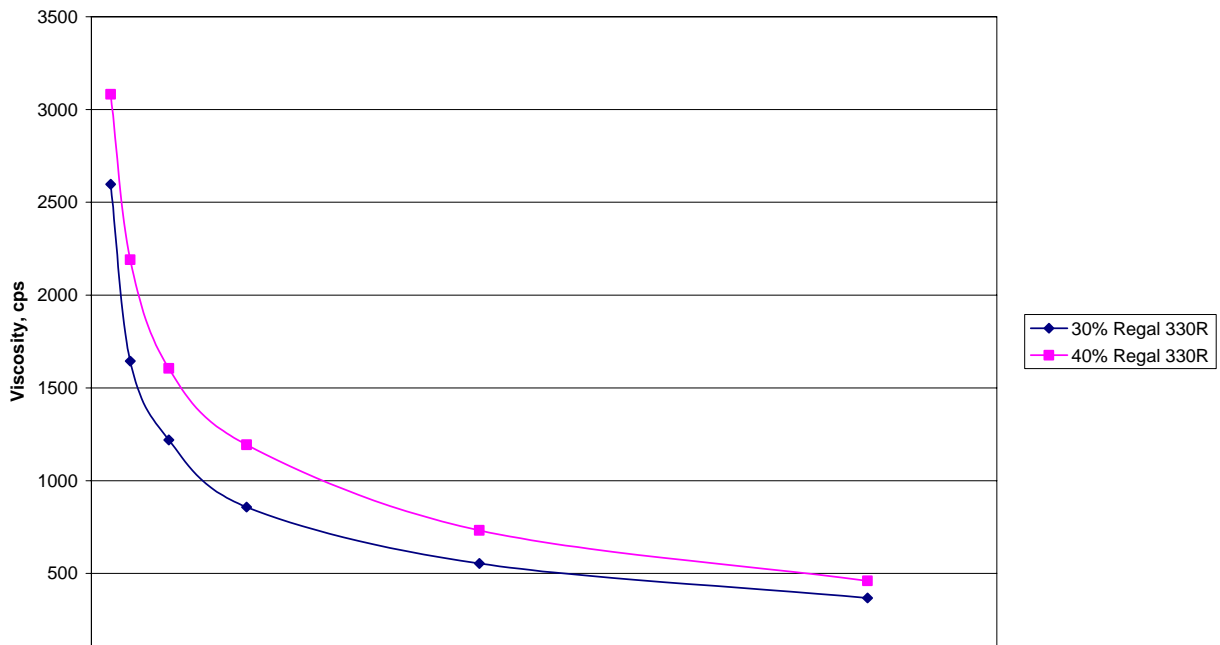
Dispersion:

Cabot Regal 330R		41.33
Espersse 100	8.1	
Byk 022		0.93
Water		<u>49.64</u>
TOTAL	100.00	

Add liquid ingredients and mix well; add pigment in portions, mixing well after each addition to avoid clumping. Once pigment is wetted, premix at high speed for 10 minutes. Then mill using horizontal media mill.

VISCOSITY PROFILE:

Dispersion Viscosities



No increase in viscosity was seen upon aging. Both a 30% and 40% level of Regal 330R were used, with an equivalent weight percent of additive on pigment and same ratio of E100/E506 as depicted in the formula above.