Union Camp CHEMICAL DIVISION

technical service bulletin

June 24, 1968

FORMULA 6-3

PRODUCT: Hot Melt Adhesive -- Heat-Resistant Type

TYPICAL USE: Sealing seams of multiwall bags to be stored at temperatures to 140°F.

FORMULA:

Wt. %	Material	Supplier
12	Shellwax 700 (fully refined paraffin wax, 185°F melt point)	Shell Chemical Co.
32	Aroclor 5460 (chlorinated polyphenyl)	Monsanto Chemical Co.
20	Elvax 260 (E/VA copolymer)	E.I. duPont de Nemours
0.20	Butylated hydroxytoluene (antioxidant)	Eastman Chemical
36	UNIREZ 915 (modified phenolic resin)*	Union Camp Corp.

*or Filled Resin Products' Fibrez 64C.

PROCEDURE: Melt wax and Aroclor 5460 to about 350°F. Add Elvax slowly and mix until all is dissolved. Stir in BHT. Then stir in UNIREZ 915 at about 400°F.

PROPERTIES:

Softening Point, Ring & Ball, °C	-	192°F (89°C)
Color, 25% in toluene at 70°C, ASTM D-1544	-	9+
Brookfield Viscosity at 360°F	-	4000 cps
Oven Peel Temperature *	-	142°F

* Temperature at which kraft-kraft bond fails when loaded at 160 g/inch width.

DSW 587536

The formulas and statements herein are accurate to the best of our knowledge. However, since application in the user's plant is under conditions beyond our control, suggestions and recommendations are made without warranty or guarantee of any kind. Nothing contained herein shall be construed as a recommendation to use any product or process in conflict with existing patents covering any material or its use.

UNION CAMP CORPORATION / CHEMICAL DIVISION / P. O. BOX 6170, JACKSONVILLE, FLORIDA 32205

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