.I.Armstrong/W.F.Waychoff,
Roberts-3

St. Louis - Roberts Building

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Mr. J. R. Darby

St. Louis Research HOT MELT FORMULATIONS

Joe, here are the three hot melt formulations which we have on file. The first one is the one we recommended to the National Association of Clay Pipe Manufacturers, which is as follows:

Copolymer resin	100 parts
DIDA	25 "
Santicizer 160	100 "
Aroclor 1248 or 1254	37 "
HB-20	38 "
Paraplex G-62	10 "
Mark XV	4 "

The other two, which we do not feel are useful in clay pipe, have been recommended for coating rayon. They are as follows:

1.	Opalon 300	142 parts
	ONB	104 "
	Santicizer 9	28 "
	Aroclor 5460	104 "
	Aroclor 1254	76 "
	Santicizer 141	19 "
	Dioctyl Adipate	28 "
	BSWL	7.1 "
2.	Opalon 300	10 parts
	Santicizer 160	30.6 "
	BSWL	0.5 "
	Filler	2.0 "

P. W. Spink

PWS/is

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