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CLASS 4000

The materials within the 4000 Group are phthalate and related esters. They contain more than trivial amounts of polyester, and are unmodified by more than insignificant quantities of other resin forming materials. Acids commonly used, other than phthalic, include sebacic, succinic, maleic, diglycolic, petrex etc. The last two numbers of general classified numbers within this group indicate the approximate % oil content of the resin.

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Number	Material	%	Oil	Resin	% P.A. Min.
(4OP2)	Cellolyn 502	-	Coconut		--
(4OC2)	Duraplex ND-77B	33	Coconut		47
(4OP1)	Duraplex ND-78	33	Coconut		43
(4OD2)	Plaskon 3105	34	Coconut		42
(3108)		34	Lauric	Glyc-Phth.	48
(5101)	Rezyl 99-4	35	Coconut		43
(4OC4)		36	Lauric	Et.gly, P.E.-Phth.	43
(4OA1)		36	Coconut	Glyc-Phth.	
(4OC16)		38	Coconut	Glyc-Phth.	45
(4OC11)	Cooks HR-25		Coconut	Glyc-Phth.	
(3107)		51	Coconut	Glyc-Phth.	33
(4OC15)		52	Coconut	Glyc, et.gly-phth.	30
(4OC12)	Rezyl X315	59			9
(2662)	Paraplex RG-2			Sebacic polyester	
(4OC5)		69	Castor	Diglycolic polyester	
(4OC13)	Paraplex G-20			Sebacic polyester	
(4ON1)	Paraplex G-25				
(4OP4)	Paraplex G-40				
(4OD3)	Paraplex RG-7			Sebacic polyester	
(4OC6)	Paraplex G-50				
(4OC8)	Paraplex G-60				
(4ON3)	Paraplex G-62				
(4OY2)	Petrex T7HT			Di-et. gly-petrex	

NVM %	Solvent	Body GHT	AV/NV	Color Max. Gard.	FP ^{OF} TOC Min.	#/Gal. 75°F.	Number
60	(4046)	Z ₁	4	3	80	8.5	(40P2)
60	(4046)	Z ₆	0-10	4	80	8.6	(40C2)
60	(4046)	Z ₂	6-10	5	80	8.5	(40P1)
60	(4046)	Z ₂	5	3	80	8.6	(40D2)
50	(4046)	V ₂	7-10	4	80	8.4	(3108)
60	(241)	Z ₄	4-8	6	40	8.6	(5101)
60	(4046)	Z ₁	0-8	6	80	8.7	(40C4)
60	(4046)	Z ₁		10	80	8.7	(40A1)
60	(241)	Z ₂	5-10		40	8.6	(40C16)
70	(241)	P ₁	7	4	40	8.6	(40C11)
70	(241)	V-W	4-7	7	40	8.6	(3107)
70	(241)	I	4-7		40	8.6	(40C15)
100		W-Y	13-19	10		8.7	(40C12)
60	(241)	V	22-35	8	40	8.0	(2662)
80	(4046)	T-V	3-7	6	80	8.1	(40C5)
60	(1170)		10-20	13	90	8.4	(40C13)
100		Z ₁₀ ⁺	0-2			8.8	(40N1)
100		Z ₁₀ ⁺	0-2			9.6	(40P4)
60	(241)	I-K	34-48	8	40	8.4	(40D3)
100		Y-Z ₂	0-2	7		9.0	(40C6)
100			1	2		8.2	(40C8)
100		P		1		8.3	(40N3)
75	(241)	Z ₂	33	10	40	9.2	(40Y2)

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Remarks

- (3107) All three items are used extensively in Automotive and
(4OC15) Furniture Lacquers where a rubbing type finish is desired.
(4OC11) They impart excellent gloss when used in a ratio of approximately one part resin to one part nitrocellulose. (4OC11) is a restricted item and (3107) or (4OC15) should be used in its place whenever possible.
- (5101) Also used in Automotive finishes, have superior color retention and are therefore used in whites and light colors.
(4OC16)
- (3108) Used primarily in Hi Heat Resistant Enamels.
(4OA1)
- (4OC4) (4OP1), (4OC2), and (4OP2) are restricted items and (4OC4) should be used whenever a resin of this type is indicated.
(4OP1) These vehicles are used in Baking Enamels and Aircraft
(4OP2) Lacquers, principally Specification MIL-L-7178. (4OC4) imparts excellent water resistance and flexibility to this type of lacquer.
(4OC2)
- (4OC12) Used in Silk Screen and Decal Lacquers. It provides excellent intracoat system bond and toughness.
- (4OC5) The perfect nitrocellulose modifier for Paper Lacquers, especially Color Card Lacquers. It is used in a ratio of one part resin to one part nitrocellulose and the resulting films have excellent gloss, holdout, flexibility and lack the tendency to curl.
- (2662) Used mainly as a plasticizing resin with nitrocellulose and ethyl cellulose lacquers. It imparts good gloss and excellent adhesion to metal, plastics and rubber.
- (4ON1)
(4OP4)
(4OC15) Used to modify either nitrocellulose or polyvinyl chloride.
- (4OC6) These are used primarily with vinyls and in combination do
(4OC8) an excellent job of plasticizing and stabilizing vinyl type
(4ON3) finishes.