

Class 3000

Black materials, unpigmented, Polymeric or Resinous, including both original and added solubles. Includes minor coloration when addition is not large enough for Class 72. Contains modifications of volatile diluents, resinous and oily materials.

- 3000 - 3009 Asphalts & Tars, natural mineral; e.g. Gilsonite, Manjak.
- 3010 - 3019 Asphalts & Tars, synthetic mineral; e.g., coal tar, petroleum
 asphalts, plain or air blown.
- 3020 - 3029 Asphalts, Tar & Pitches, non-mineral; e.g. vegetable oil pitches,
 tall oil pitches or pine tar.
- 3030 - 3039 Asphaltic combinations of any of the preceeding three sub-classes.
- 3040 - 3049 Asphalts modified by any resinous material; e.g. by resins, but not
 by fatty oils.
- 3050 - 3099 Asphalts modified by fatty oils, with or without other modifiers.
 The last two numerals may, where possible, indicate twice the
 percentage of oil content in the non-volatile portion.

Page 30-2
January 3, 1957

Number	Prev. Number	Name	% NVM	Pent. @ 77°F ASTM - D5-25
<u>Asphalts, Tars-Natural</u>				
3000	258	Gilsonite Jets	100	0
3005	1087	Gilsonite Selects	100	0
30C10		Gilsonite Selects - Barber	100	0
<u>Asphalts, Tars-Synthetic Mineral</u>				
3010	590	Asphalt, Petroleum	100	50-60
3015	996	Blown Asphalt	100	12-20
30A9	1764	#14 Asphalt B-15-6	100	
30C14		Asphalt 98% Gilsonite 2%	100	21-30
30F6 (30F9)	(30A1)	Enjay, Oxidized Asphalt Coke Oven Tar	100	4-6
30L1		Hydroline Asphalt	100	
30Y3		Petrolastic 185 Blown Asphalt	100	15-25
<u>Asphalts, Tar-Pitches-Non Mineral</u>				
30A3		Stearine Pitch-Refined	100	
30F2		Cotton Seed Pitch #50	100	
30F12		Linseed Pitch	100	
30N4		Pine Tar		

0007-PMC-000000230

M.P. (R&B) °F S-W Method 454.1	Bulk Value Gal./100 lbs.	Lbs./gal. @ 75°F	Number
350	11.40	8.96	3000
270	11.48	8.71	3005
270	11.80	8.5	30C10
125-140	11.8	8.47	3010
215-230	11.75	8.5	3015
284	11.8	8.49	30A9
180-200	11.42	8.75	30C14
285-300			30F6
		9.92	(30F9)
180-220		8.85	30L1
185-200		8.66	30Y3
200-225		8.33	30A3
		8.00	30F2
		8.00	30F12
			30N4

Page 30-4
January 3, 1957

Number	Prev. Number	Name	% NVM	%	Material
<u>Asphalt Solutions</u>					
(30A4)		Acid Resisting Gilsonite Sol'n.	36-40		
(30C4)		Trumbull PVG-B	48-52		
(30C9)	3600	Gilsonite Stain Sol'n.	33.3	33.3	3005
(30C12)		Asphalt, Gilsonite Sol'n.	56.5		
(30C13)		Gilsonite Solution	43.0	43.0	30C10
(30C15)		Asphalt, Gilsonite	45.0	4.4 40.6	Gilsonite Asphalt
(30D10)		Ebanol			
(30D12)		Asphalt Primer			
(30D13)		Asphalt Solution	80.0		
(30D32)					
(30P3)		Asphalt Solution	70-81		
<u>Asphalts Solutions, Modified by any Resinous Mat'l., but not Fatty Acids</u>					
(3040)		Asphalt Varnish	42.0	9.7 29.3 3.0	3005 3015 3300
(3042)	(240)	Asphalt Rosin Solution	42.0	17.3 21.7 3.4	3005 3015 3300
<u>Asphalts Solutions, Modified by Fatty Acids or Oils</u>					
(3030)		Black Japan (A.D.)	46.4	39 7.4	3005 (1521)
(30C5)		Lin. Gilsonite Varnish	42	29 9.1 3.6	3005 (2539) (1527)
(30C7)	1194	Gilsonite, Tung, Lin. Varnish	45	10.5 5.1 18.3 9.3	3005 Limed Ros. (1562) (2539)

0007-PMC-000000232

%	Material	Visc. #4 Ford	Visc. S-W #3	F.P.°F T.O.C.	Lbs./gal. @ 75°F	Number
64-60	Solvent			25	6.9	(30A4)
52-48	Solvent			100	7.27	(30C4)
66.7	(317)				7.75	(30C9)
	Min. Spts. type	50"-60"		81	7.55	(30C12)
22.4	(317)	137"-169"		40	7.32	(30C13)
34.6	(125)					
45.4	(145)	30"-50"		100	7.45	(30C15)
9.6	(329)					
					9.50	(30D10)
					7.21	(30D12)
20.0	Solvent			87	7.95	(30D13)
						(30D32)
30-19	Solvent				7.8	(30P3)
57.7	(145)			100	7.32	(3040)
6.7	(145)	40"		50	7.16	(3042)
50.9	(125)					
47.7	(145)		210"-270"	81	7.35	(3030)
5.9	(323) & driers					
58.3	(125)		37	50	7.08	(30C5)
56.8	(125) & driers		60	50	7.1	(30C7)

Remarks

The principal black materials used in non-pigmented black paints are the bitumens. These materials, in a volatile solvent, with or without the addition of drying oils and resins, are used to produce many useful products in the protective coatings field.

These coatings are used largely in air drying and baking enamels; in the electrical insulating field; in anti-fouling and anti-corrosive blacks; for acid, alkali and brine resistant paints; in stains; for coating underground pipes; damp proofing masonry; and repairing asphalt and tar roofs.

- 30A3 Used in quick drying truck chassis black.
- (30A4) This product meets Federal Specifications JAN-P-450, Type I, for a quick drying paint for ammunition shells. Restricted. Purchased for resale.
- 30A9 A high melting point, asphaltic base, blown asphalt used mostly in the production black baking enamels on objects such as springs, steel stove parts and boilers.
- (30C4) This is a quick drying spraying paint for use in ammunition shells. It is slower drying than (30A4). It is formulated to meet Federal Specifications JAN-P-450, Type II. Restricted. Purchased for resale.
- (30C7) This is an electrical insulation varnish consisting of 3005 modified with vegetable oils and limed rosin. It is used on large and small armatures and on field and stator coils, etc.
- (30C9) Restricted to use in Furniture Tech Service stains.
- (30D10) A coal tar liquid which gives excellent protection on underground pipes and tanks. It is a very durable black and can be recommended generally as a good weather protective black (Ebonol).
- (3040) Also see "Chicago Manufacture Only", Alt. A.