

PETROLATUMS PROPERTIES

USP GRADES	MELTING POINT USP ASTM D-127		CONSISTENCY ASTM D-937 USP	VISCOSITY @ 210°F ASTM D-445 SUS (cSt)	COLOR LOVIBOND
	°C	°F			
PROTOPET®					
Alba ^a	54/60	130/140	180/210	67 (12)	1.1 Y ^b
Super White	54/60	130/140	180/210	67 (12)	0.6 Y ^b
White 1S	54/60	130/140	180/210	67 (12)	1.5 Y ^a
White 2L	54/60	130/140	180/210	67 (12)	8Y 0.6R ^a
White 3C	54/60	130/140	180/210	67 (12)	12Y 1.2R ^a
Yellow 2A	54/60	130/140	180/210	67 (12)	30Y 2.5R ^a
PERFECTA®					
Perfecta	57/60	135/140	180/210	60 (10)	0.3 Y ^b
FONOLINE®					
Super White	50/56	122/133	195/230	60 (10)	0.5 Y ^b
White	53/58	127/137	210/245	65 (11)	1.7 Y ^a
Yellow	53/58	127/137	210/245	65 (11)	30Y 2.5R ^a
^a 2" cell ^b 3" cell					

The above grades have no odor, and meet the requirements for USP (current revision) and FDA 21 CFR 172.880. Products are available conforming to the requirements of BP, DAB, French Codex, EuP, Japanese and other pharmacopoeias. Special grades can be formulated to meet particular customer specifications.

TYPICAL PROPERTIES OF SONNEBORN® SONOJELLS AND MINERAL JELLIES

USP GRADES	MELTING POINT		CONSISTENCY ASTM D-937 USP	VISCOSITY @ 210°F ASTM D-445 SUS (cSt)	COLOR LOVIBOND
	°C	°F			
SONOJELL®					
Sonojell #4	42/44	107/112 ^d	90/125	38 (3.8)	0.5 Y ^b
Sonojell #9	42/49	107/120 ^e	150/170	39 (4.1)	0.5 Y ^b
MINERAL JELLIES					
Mineral Jelly #10	40/46	105/115	290/350	40 (4.4)	1.0 Y ^a
Mineral Jelly #14	38/43	100/110 ^d	200/225	40 (4.4)	1.0 Y ^a
Mineral Jelly #17	32/38	90/100 ^e	340/400	40 (4.4)	1.0 Y ^a
^a 2" cell ^b 3" cell ^c ASTM D-127, Drop M.P. ^d ASTM D-938, Cong. Pt. ^e ASTM D-97, Pour Pt.					

The above grades have no odor and meet FDA 21 CFR 172.880 for UV absorbance. They also meet USP purity requirements. However, they do not qualify as USP because they do not meet some of the USP physical requirements; i.e., specific gravity, consistency and/or melting point.