



DPS Wax, Inc.

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1274 - Mottling Pillar 1

Mottling Pillar 1 is a specialty blend of fully refined paraffin wax which produces the “mottling” effect when used in the manufacture of pillar candles.

PHYSICAL PROPERTIES

TEST METHODS	ASTM METHOD	SPECIFICATIONS		TYPICAL
		Minimum	Maximum	
Melt Point °F (°C)	D87	136 (57.8)	142 (61.1)	139 (59.4)
Kinematic Viscosity, cSt @ 210°F (98.9°C)	D445	3.5	4.5	4.0
Saybolt Viscosity, SUS @ 210°F (98.9°C)	D2161	37.8	41.1	39.5
Oil Content, Wt. %	D721	---	0.5	0.3
Saybolt Color	D6045	+28	---	+30
Odor	D1833	---	1	0.0
Needle Penetration, dmm @ 77°F (25°C)	D1321	---	16	11
Needle Penetration, dmm @ 100°F (37.8°C)	D1321	---	---	27

APPLICATION CONDITIONS:

To facilitate mottling avoid contamination with other waxes and additives. As well, avoid fast cooling the candles.

FDA STATUS:

This product meets the FDA requirements set forth in 21 CFR 178.3710 for use in non-food articles in contact with food and in 21 CFR 172.886 for use in food.

Product Type	Specialty Wax Blend to produce “Mottling” Effect
Properties (Typical)	Congealing Point (ASTM D87): 140°F (60°C) Needle Penetration @ 77°F (25°C) (ASTM D1321: 11 dmm
Description	A consistently controlled specialty wax blend designed for producing pillar or votive candles that mottle
Benefits	<ul style="list-style-type: none">• Controlled batch consistency• Very good burn characteristics• Excellent mold release
General Guidelines	<ul style="list-style-type: none">✓ Working/pouring temperatures should be in the range of 180°F to 195°F (82°C to 91°C).✓ Use fragrances specifically designed for candles.✓ Higher fragrance levels yield better mottling, but levels above 6% may result in surface oil.✓ Mottling can be improved by cooling candles as slowly as possible.