



MICRO POWDERS, INC.

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TECHNICAL DATA SHEET

PROPYLTEX WAXES

PROPYLTEX waxes are micronized polypropylenes that are manufactured using special equipment to provide a unique texturizing agent. The particle size is carefully controlled to produce a uniform textured surface in paints and coatings. **PROPYLTEX** will also impart a smoother "feel" than other types of texturizing agents due to its rounded, almost spherical shape. The maximum particle size is controlled using screens.

The physical properties of polypropylene make **PROPYLTEX** ideally suited as a texturizing agent.

The low density and insolubility characteristics of **PROPYLTEX** will reduce or eliminate settling and provide optimum performance in aromatic systems. The high melting point of **PROPYLTEX** will insure a consistent texture even at high baking temperatures.

The rounded shape of **PROPYLTEX** will provide optimum abrasion resistance, gloss control and will be less abrasive when compared to silica texturizing agents.

PROPYLTEX

TYPICAL PROPERTIES	20	50	100S	140S	200S	200SF	270S	325S
Melting Point °F (ASTM D-127)	330-335	330-335	320-338	320-338	320-338	320-338	320-338	320-338
Melting Point °C (ASTM D-127)	166-168	166-168	160-170	160-170	160-170	160-170	160-170	160-170
Density @ 25°C g/cc	0.90	0.90	0.86	0.86	0.86	0.86	0.86	0.86
<u>Screen Analysis:</u>								
Maximum Particle Size (microns)	840 (20 mesh)	300 (50 mesh)	149 (100 mesh)	105 (140 mesh)	74 (200 mesh)	74 (200 mesh)	53 (270 mesh)	44 (325 mesh)
<u>Microtrac Laser Analysis:</u>								
Mean Particle Size (microns)	N/A	160-180	80-100	45-55	35-45	25-35	15-25	11-15

PROPYLTEX is recommended for use in industrial paints, lacquers and coatings (e.g. wood, metal, powder or sprayed). The level of addition depends on the degree of texture desired. Usually adding 5-10% based upon resin solids of **PROPYLTEX** will give a moderate textured finish.

Since **PROPYLTEX** can be easily dispersed into all types of paints and coatings using a high speed mixer, the need for pre-dispersion is eliminated.

N/A - Not Applicable

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