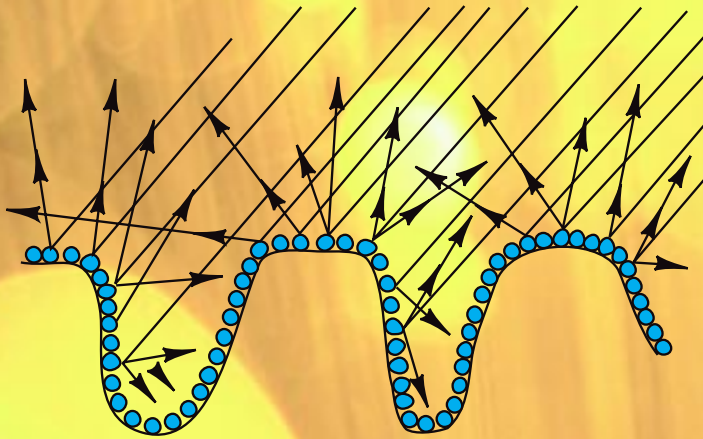


LDP

Light Diffusing Pigments



characteristics

The cosmetic industry has employed various means to diminish or hide skin wrinkles, ranging from thick foundations that tend to leave an unnatural appearance to chemical treatments that require long periods of time before offering any results. Use of LDP's in cosmetics allows for an instant, natural looking improvement without permanently altering the skin.

Wrinkles on the skin are perceptible though the contrast of light and dark which accentuates even very subtle creases. As light hits spherical LDP particles it is scattered, obscuring the perceived line between areas of light and dark on the skin.

Besides functioning to diminish the appearance of wrinkles, cosmetics incorporating LDP's are able to benefit from the ball-bearing effect of the spherical particles with improved feel and spreadability. Cardre LDP's are typically incorporated at a level of 1-5% in formulations.

79686 Cardre LDP 1000

Composition: 88% PMMA beads, 10% UF TiO₂, 2% Alkyl Silane treatment
Bulk Density: 2.2-4.4g/in³

79697 Cardre LDP 1050

Composition: 48% PMMA beads, 50% UF TiO₂, 2% Alkyl Silane treatment
Bulk Density: 2.0-4.0g/in³

79688 Cardre LDP 1500

Composition: 100% Spherical silica
Bulk Density: 3.5-5.5g/in³

79681 Cardre LDP 2000

Composition: 88% PMMA beads, 10% microfine ZnO, 2% Alkyl Silane treatment
Bulk Density: 5.0-7.0g/in³

79695 Cardre LDP 2500

Composition: 48% PMMA beads, 50% microfine ZnO, 2% Alkyl Silane treatment
Bulk Density: 4.1-6.1g/in³

72518 Cardre LDP 3000

Composition: 88% PMMA beads, 10% Hydrophobic amorphous silica, 2% Alkyl Silane treatment
Bulk Density: 2.0-4.0g/in³

79696 Cardre LDP 5050

Composition: 48% PMMA beads, 25% UF TiO₂, 25% microfine ZnO, 2% Alkyl Silane treatment
Bulk Density: 4.3-6.3g/in³

cardre family of products

Cardre offers a full line of surface treated inorganic pigments and fillers, inorganic sunscreens, spherical polymer systems, and dispersions. Please call or write for a full brochure and product samples.

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