

MicroKlear 116AL

A micronized composite of polyethylene, carnauba wax and aluminum oxide for maximum scratch resistance with excellent clarity and gloss retention

Features and Benefits

- HPDE/carnauba wax composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9)
- Provides maximum scratch resistance with surface lubricity
- In coil coatings, provides maximum slip for forming and fabrication of finished coil
- Reduces coil coating surface haze post-bake and water quench
- Provides excellent slip, scratch resistance and food release properties in metal packaging coatings

Composition

Polyethylene/carnauba wax/aluminum oxide

Recommended Addition Levels

1.0-3.0% (on total formula weight)

Systems and Applications

Water based, solvent based and energy curable coatings and inks. Industrial coatings (including plastic, metal and leather); wood coatings; printing inks and OPV's (including flexo and gravure); interior and exterior can and container coatings; coil coatings; seed coatings.

Typical Properties*

	<u>MicroKlear</u> <u>116AL</u>
Melting Point ° C	107 - 113
Density @ 25 ° C (g/cc)	1.01
NPIRI Grind	1.5 - 2.5
Maximum Particle Size (µm)	15.56
Mean Particle Size (µm)	3.5 - 5.5

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