

MPP-620AL-XF

A highly engineered polyethylene/aluminum oxide nanocomposite that provides slip, abrasion/rub resistance, and antiblocking

Features and Benefits

- Maximum scratch and scuff resistance with slip and lubricity
- HDPE composite reinforced with 300 nm aluminum oxide nanoparticles (Mohs Hardness 9)
- Easier-to-disperse nanotechnology in a safe, non-nano powder
- Composite particle density maximizes efficiency and minimizes settling
- Effective replacement for PTFE additives

Composition

High density polyethylene/aluminum oxide

Recommended Addition Levels

0.5-1.5% (on total formula weight)

Systems and Applications

Water based, solvent based and energy curable coatings and inks. Industrial coatings (including plastic and metal); stains, sealers and varnishes; wood coatings; printing inks and OPV's (including flexo and gravure); powder coatings; coil coatings; rubber additives.

Typical Properties*

	<u>MPP-620AL-XF</u>
Mean Particle Size (µm)	3.5 - 5.5
Maximum Particle Size (µm)	15.56
Melting Point °C	120 - 124
Density @ 25 °C (g/cc)	1.00
NPIRI Grind	1.0 - 2.0

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