

TECHNICAL DATA

PolyGlide 1226XF

A highly engineered HDPE/ceramic/nanoceramic composite for abrasion resistance and lubricity

Features and Benefits

- HDPE composite reinforced with hard, inert ceramic microspheres and nanoceramic platelets
- Improved Taber abrasion resistance when compared to PE/PTFE additives
- Provides slip and lubricity
- Ideal for can and container coatings; 21CFR 175.300 approved
- Effective replacement for PTFE additives
- Compare to (coarser) Polyfluo 900

Composition

HDPE/ceramic

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; can, container, and coil coatings; rubber additives.

Typical Properties*

| | PolyGlide |
|-----------------------------------|-----------|
| | 1226XF |
| Melting Point $^\circ$ C | 109 - 115 |
| Density @ 25 $^{\circ}$ C (g/cc) | 0.99 |
| NPIRI Grind | 1.0 - 2.0 |
| Maximum Particle Size (μm) | 15.56 |
| Mean Particle Size (µm) | 3.5 - 5.5 |

This product is also available as a water based wax dispersion - Microspersion 1226XF-50

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