

## PolyTuf® 1229

A highly engineered LDPE/ceramic/nanoceramic composite for abrasion resistance and surface durability

### Features and Benefits

- High performance additive for maximizing surface abrasion resistance (Taber) and film toughness
- Fortified with two types of hard, inert ceramic particles
- Low density polyethylene provides superior surface toughness, durability and mar resistance
- Ideal for walking surfaces
- PTFE-free alternative to Polyfluo 900
- Easy to disperse fine powder that can be incorporated with high speed mixing

### Composition

Ceramic modified polyethylene

### Recommended Addition Levels

0.5-2.0% (on total formula weight)

### Systems and Applications

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

### Typical Properties\*

	<u>PolyTuf 1229</u>
<b>Melting Point ° C</b>	110 - 113
<b>Density @ 25 ° C (g/cc)</b>	0.97
<b>NPIRI Grind</b>	4.0 - 6.0
<b>Maximum Particle Size (µm)</b>	31.11
<b>Mean Particle Size (µm)</b>	9.0 - 12.0

This product is also available as a water based wax dispersion - Microspersion 1229-40

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