



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*

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

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

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