TECHNICAL DATA



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*

	PolyTuf 1229
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

Apr-25

Micro Powders | 580 White Plains Road | Tarrytown, NY 10591 | 914-793-4058 | micropowders.com

The above data reflects typical properties. Please contact Micro Powders for official product specifications. The information contained herein is to the best of our knowledge true and correct and any suggestions are made without guarantee, express or implied, since conditions of use are beyond our control. Micro Powders, Inc. disclaims any liability incurred in connection with the use of any data or suggestions. Nothing contained herein shall be construed as a recommendation to infringe on any existing patents covering any material or its use.