

## Chesterton 389 Synthetic Tapping Compound

Category : Fluid

**Material Notes:**

**Description:** Chesterton® 389 Synthetic Tapping Compound is a high performance, synthetic metal working fluid. It provides the industrial performance of conventional petroleum and solvent based fluids while eliminating the hazards normally associated with these traditional products. The superior lubrication of a synthetic, combined with maximum heat dissipating capability at the shear plane, results in a product which extends tool life and keeps taps cool to permit rapid cutting. Chesterton 389 is effective for all hand and automatic tapping operations and is used for a variety of demanding metal cutting operations over a broad range of metals, including aluminum. True and precise thread cutting action permits excellent thread quality. Ideal for dry seal threads and high pressure hydraulic fittings. Since there is no chlorine or sulfur in the product, the working of stainless steel is facilitated without fear of embrittlement. Chesterton 389 is user and environmentally friendly. It is biodegradable, nonflammable and essentially odorless. Synthetic Tapping Compound does not smoke, mist or fume during use. The result is a cleaner, safer work environment. A near neutral pH minimizes the potential for skin irritation and defatting commonly caused by organic solvent based cutting fluids. **Features:** Performance-Excellent Lubricity Superior Heat Dissipation Reduced Galling Extends Tool Life Corrosion Inhibited Safety-No chlorine, Chlorinated Hydrocarbons or Sulfur Does Not Smoke, Fume or Mist Essentially Odorless Biodegradable **Suggested Uses:** Operations-Tapping Boring Reaming Threading Drilling Milling Metals-Stainless Steel Aluminum Brass Bronze Cast Iron High Alloy Steel Copper Carbon Steel Titanium Titanium Monel Hastelloy Information provided by Chesterton

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chesterton-389-Synthetic-Tapping-Compound.php](http://www.lookpolymers.com/polymer_Chesterton-389-Synthetic-Tapping-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	
pH	8.2	8.2	

Thermal Properties	Metric	English	Comments
Melting Point	0.000 °C	32.0 °F	Freezing Point

Descriptive Properties	Value	Comments
Appearance	Hazy, Yellow Color	
Form	Viscous Liquid	
Lubricity	1100 kg	Failure Load, ASTM D3233
	59 cm-kG	Final Torque, ASTM D3233
Reaction time	>15 hrs	
Tapping Torque Efficiency	1.01	(vs. petroleum oil cutting fluids)

## **Contact Songhan Plastic Technology Co.,Ltd.**

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