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KANTSTIK® FX-9

INTERNAL MOLD RELEASE

PRODUCT

KantStik® FX-9 is a non-silicone internal lubricant composed of complex polymers, neutral in nature. It is a medium viscosity, clear amber liquid. **KantStik® FX-9** is 100% active and soluble in a variety of organic resin systems. It can eliminate the need for external mold releases.

RECOMMENDED USES

Useful for the following:

ABS	Butyrate	DCPD	Neoprene	Nylon
PBT	PET	Polyester	Polyethylene	Polypropylene
Polystyrene	Polysulfone	Urethanes	Vinyl esters	

KantStik FX-9 can be incorporated directly into the resin. It could also serve as a mold release agent for polyurethane elastomers and phenolic resins.

APPLICATION

Begin by examining the condition of the tooling, making certain it is free of dirt, oils, mold release, resin residue and other contaminants. It is recommended that the molds be cleaned with **KantStik® Mold Cleaner** or other suitable cleaner.

For Rubber:

Recommended lubricant concentration is 0.2 to 1.0 part per hundred parts of rubber. Mill, or use a Banbury mixer, to incorporate the **KantStik® FX-9** internal lubricant. Add fillers and other additives after the **KantStik® FX-9** for ease of incorporation of all components. The concentration may vary depending upon the formulation and processing conditions.

For Thermoplastics:

Concentrations of 0.25 to 1 part of lubricant, per one hundred parts of resin by weight, are recommended. To determine optimum dosage, laboratory tests should be conducted simulating actual operating conditions as closely as possible.

ADVANTAGES

- ◆ Good molding efficiency achieved.
- ◆ Does not interfere with any secondary operation such as painting, plating, etc.
- ◆ Yields a lustrous surface on the finished part.
- ◆ Positive release without the time-consuming application of external type mold releases.