



Proven Precision Dry Lubrication

DICRONITE®



Plastic Molding

Functional Mechanisms:

- Friction reduction via ultralow coefficient of friction ($\mu=0.030$).
- No effect on mold dimensions, film thickness maximum 0.5 microns.
- High temperature stability up to 538°C.
- Useful on both mold surfaces and moving/sliding parts.

Dicronite Dry Lubrication Benefits

Reduced Cycle Times:

- Up to 25% cycle time reduction demolding PP undercut screw caps.
- 15% cycle time reduction demolding EVA seal.
- 10% cycle time reduction demolding PP measuring cup closure.

Reduced Reject Rates:

- Force-demolded PP notched snap reject rate reduced plus an added benefit of 12% cycle time reduction.
- Force-demolded PP measuring cup closure reject rate reduced from ~1% to <0.1% by reduced jolting during demolding.

Reduced Maintenance Costs:

- 1 million cycles with no noticeable wear on 70N side loaded 3mm ejector pins.
- 10x ROI (cost reduction/application cost) on sliding parts used in shaping interior honeycomb contour for molded polyamide gear levers.

Reduced Filling Pressure:

- In molds with long flow distances and small wall thickness the filling pressure may be reduced, lowering flash production and energy costs, and extending mold life.



Dicronite is available throughout the world. For more information visit us at: www.dicronite.com or contact Lubrication Sciences International at 800.874.4319 • 408.834.7442 • inquiries@dicronite.com

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