

## technical data



PLASTICS RESEARCH LABORATORIES, INC.  
MOLD RELEASES & INTERNAL LUBRICANTS

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# MOLD WIZ

## INT-PUL-156BPU

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**General:** A process aid additive designed specifically for extrusion and/or pultrusion of thermoplastic polyurethane resins at high processing temperatures up to 520F. This product exhibits a delayed and prolonged melting rate profile to overcome potential screw slippage in extrusion applications. Benefits include optimized line speeds while reducing both pull force and die wear. Improves wet out of fiber, fillers and resin flow while reducing viscosity. Physical properties of the profile are retained or improved. The complex polymeric nature of the process aid additive will not interfere with secondary operations such as decorating, silk screen printing, painting, bonding, or plating.

**Use:** Pultrusion of TPU Resins

**Composition:** Proprietary synergistic blend of fluorinated copolymers, organic fatty acid derivatives and hydrocarbon resin

### **TYPICAL PROPERTIES:**

<b>EFFECTIVE INGREDIENTS:</b>	<b>100%</b>
<b>COLOR:</b>	<b>Off white-pale yellow</b>
<b>SHELF LIFE:</b>	<b>Minimum of one year</b>

### **Application Instructions:**

**General:** For best results, laboratory tests or pre-production trials should determine the optimum addition level. Start an evaluation of MoldWiz INT-PUL-156BPU at a low addition rate such as 0.25 parts per 100 by weight of TPU resin, to avoid screw slippage with extruder applications. Gradually increase addition level to a maximum of 0.75 phr to determine optimum dosage.

All information given by us about our products is based upon our tests and experience. It is intended for use by persons having technical skill at their own discretion and risk, and we assume no liability in connection with their use.

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