



# Chemlease<sup>®</sup> Internal Mold Release

PULTRUSION

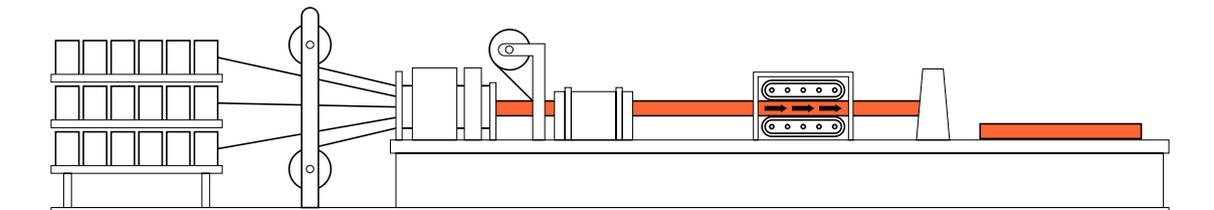
## Chemlease<sup>®</sup> Pultrusion Applications

Alongside the most comprehensive external mold release systems in the industry, Chemlease<sup>®</sup> Internal Mold Releases for pultrusion are industry leading for low pull forces, high line speeds, and uninterrupted production. From rebar to large custom profiles, Chem-Trend Internal Mold Releases are the first choice for pultruded composites demanding high line speeds.

### CHEMLEASE<sup>®</sup> INTERNAL MOLD RELEASE TECHNOLOGY DELIVERS:

- Increased production
- Low pull force
- High thermal stability
- Smooth and glossy surface finish
- Broad resin compatibility

- Reduced mechanical wear on dies
- Retention of glass transition temperature (T<sub>g</sub>)
- Improved fiber/resin impregnation
- Consistent gel time
- Consistent finished part color





## Chemlease® Selector Guide

		<b>Effective Loading</b>
Chemlease® IM-9101	High efficiency release with industry leading mechanical property preservation for advanced applications. Multi-resin compatibility.	POLYESTER 0,5 to 2 PHR EPOXY 1,5 to 4 PHR
Chemlease® IM-9102	High efficiency release with incredible pull force reduction and great mechanical property preservation. Economical and effective.	POLYESTER 0,5 to 2 PHR EPOXY 1,5 to 4 PHR
Chemlease® IM-9103	Specifically formulated release for resin systems with high calcium carbonate filler loadings. pH neutralized.	POLYESTER 0,5 to 2 PHR EPOXY 1,5 to 4 PHR
Chemlease® IC-60	Premium release with market leading mechanical property preservation for advanced applications. Multi-resin compatibility.	POLYESTER 0,5 to 2 PHR EPOXY 1,5 to 4 PHR PU 0,5 to 1,5 PHR
Chemlease® IC-25	Designed for low and consistent pull force in a wide range of Epoxy and Polyurethane formulations to increase line speeds and reduce die wear.	EPOXY 1,5 to 4 PHR PU 0,5 to 1,5 PHR

## Considerations for Mixing

PHR (Parts per Hundred Resin) = parts by weight relative to the total resin + hardener weight excluding other additives.

### **POLYESTER & VINYL ESTER**

Mix the release directly into the resin component before other additives.

### **EPOXY**

Mix the release into the less viscous component (resin or hardener) and then mix the two components.

### **POLYURETHANE**

Mix the release into the polyol component and then add the isocyanate component.



Contact Chem-Trend to find out more about how our release agents and specialty products can improve your composites operations.

**EUROPE**  
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**ALL OTHER REGIONS**  
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