

THANECAST® PREPOLYMERS



for Castable Polyurethane Systems

Since 1962, **TSE Industries Inc.** has continually evolved to become today's full-service contract manufacturer of specialty chemicals. From lab scaling to commercial production, we have toll manufactured over 200 million pounds of polyurethane coatings, adhesives, sealants, and prepolymers. Over the decades we have perfected our processes, expanded our capabilities, and increased our production scale. Combining our extensive experience with our latest capabilities, we are now offering a line of Thanecast® Prepolymers for the Castable PU market.



Manufacturing Capabilities

Our facility is designed for custom manufacturing of chemicals with unparalleled flexibility in handling raw materials, scaling up batches, and managing production runs.

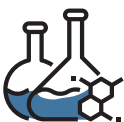
Production Reactors

4,800 Gal (2), 3,750 Gal (4),
1,500 Gal, 700 Gal

Scale-Up Reactors

500 Gal, 250 Gal,
25 Gal, 15 Gal, 5 Gal

- 316 SS, pressure-rated Reactors operated under closed conditions
- Full vacuum, heating and cooling capabilities
- Nitrogen, Argon piped to Reactors, packaging area for inert atmosphere
- Inline filtration (10-800µ) ensures product is free of particulates
- NMP Process Cleaning System prevents batch cross contamination
- Customization includes pigmented batches, fillers, and blends



Laboratory Capabilities

Our Development and Analytical Center (DAC) is an on-site, world-class lab that performs statistical process and quality control for in-process and final product testing.

Quality Control Testing

- % NCO
- Brookfield Viscosity
- Specific Gravity

Product Development

- Thanecast® Prepolymer Grades
- Custom Formulated Prepolymers



Packaging Capabilities

Selection of packaging is available with delivery from our facility based in Clearwater, FL. Custom packages are also available.

- Tanker Trucks
- 275 Gal Totes
- 55 Gal Drums
- 5 Gal Pails


Thanecast® Prepolymer Offerings

Polyester / TDI Grades
PTMEG / TDI Grades
PPG / TDI Grades
Custom Grades for Special Requirements
Future MDI-Based Prepolymers Grades




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