

PRODUCTION CAPABILITIES Polyurethane Casting



**DIVERSIFIED
PLASTICS, INC.**

www.diversifiedplastics.net | 800-321-0084

Urethane is a remarkable material that can be cast into shapes, bonded into rolls and wheels, or poured into plates of varying sizes and thicknesses. Urethane can be tailored to specific hardnesses, and it bonds to virtually any metal. Needless to say, working with urethane is completely different than working with traditional plastics. At Diversified Plastics, Inc., we've been casting urethane for years, and have developed proprietary processes and protocols for using it. Our urethane parts will meet your specifications not only for shape and size, but also for hardness. In fact, we can cast urethane components in durometers from 40A to 75D.

CASTING CAPACITY AND VALUE-ADDED PROCESSES

- Create parts up to 100 pounds in weight
- Bonds to virtually any metal
- Three large casting / curing ovens, up to 5' x 12'
- Inexpensive soft mold castings can be made from existing parts
- Specialized tools: saws, drill presses, routers, hydraulic presses, Iron Worker, steel working and welding for product enhancements

**OUR EXPERIENCED
TEAM** uses proprietary processes to maximize the versatility and varying hardness of urethane.



COMMON MATERIALS

TDI	MDI
Polyethers	Polyesters
Polycaprolactones	PPG
PTMEG	45A to 95A
50D to 75D	Energy-absorbing 55A (EA55)

COMMON ADDITIVES

UV protection (longer life when exposed to ultraviolet rays)	Graphite
Fire retardant	Anti-static
Antimicrobial stabilizers	Custom color additives

COMMONLY FABRICATED PARTS

Rollers	Wheels
Small or large rolls (new or recoat steel rolls)	Energy-absorbing bumpers
Plates	Scrapers
Sprockets	Gears
Bearings	Bushings
Wearstrips	Wear blocks
Conveying components	Pulleys
Sheaves	Gaskets
Seals	Liners
Cams	Chain attachments
Brackets	Diverter arms

Diversified Plastics is a family-owned, Montana company with big capabilities and a proven history. Since first hitting the on switch in 1976, we've focused on winning customers, not contracts. That approach has earned us a strong reputation for meeting needs across a variety of industries — food processing, cement, agriculture, wastewater treatment, mining, timber, packaging / conveying and more. Our MultiFab Technology enables us to employ a variety of processes, including injection molding, fabrication, urethane casting and machining. In addition, our services include design, engineering, prototyping and performance testing.

GET A QUOTE FOR YOUR PROJECT:

Call 800-321-0084 or visit www.diversifiedplastics.net and click "contact us" for a sales representative near you.



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Consolidate with us.