

## Tough Plastics for Wheels and Castors

Wheels and castors require higher performing materials to withstand increasingly higher dynamic loads. Elastollan® and Elastocast® cold and hot cast polyurethanes help your products achieve optimum performance when needed the most.

### Benefits

- Low rolling resistance
- Low creep behavior at standstill
- Excellent adhesion to metallic hubs
- Excellent traction on various surfaces

### Typical Applications

- Urethane wheels
- Fork-lift wheels
- Castors
- Rollers

### Why is BASF the First Choice in for Tire & Wheel Applications



#### Breadth of Portfolio

Hot & Cold cast, integral skin urethanes with multiple Isocyanate and resins options, TPU and Engineering Plastics



#### Processing & Equipment Knowledge

More than a material provider – in-house prototyping, start-up assistance



#### Partnership – Start to Finish

Experienced formulator and tech service personnel invested in you



#### Proven Solutions

Load and press on wheels, recreational wheels, non-pneumatic integral skin tires and nylon hubs... we've done it all

Prepolymer	Composition	Hardness	Notes
<b>Hot Cast Polyurethane Elastomer Solutions- MDI</b>			
Elastocast® TT33	MDI-PESOL	83A	
Elastocast® TT22	MDI-PESOL	85A	
Elastocast® TT342	MDI-PESOL	90A	• Customization available to meet specific customer requirements
Elastocast® TT25	MDI-PESOL	95A	• Excellent dynamic performance, wear and load capacity systems
Elastocast® TIE85	MDI-PolyTHF	85A	• 3K systems are available
Elastocast® TIE90	MDI-PolyTHF	90A	• Full range of curatives are available under the Elastocast brand
Elastocast® TIE95	MDI-PolyTHF	95A	
Elastocast® TIE110	MDI-PolyTHF	70D	
Elastocast® TIP90	MDI-PEOL	90A	
Elastocast® TIP89	MDI-PEOL	97A	
<b>Hot Cast Polyurethane Elastomer Solutions- TDI</b>			
Elastocast® TD66S	TDI-Cap	66A	
Elastocast® TC70S	TDI-PESOL	70A	• Customization available to meet specific customer requirements
Elastocast® TC75E	TDI-PolyTHF	75A	• Excellent dynamic performance, wear and load capacity systems
Elastocast® TC87S	TDI-PESOL	87A	• Full range of curatives are available under the Elastocast brand
Elastocast® TC90E	TDI-PolyTHF	90A	
Elastocast® TC90S2	TDI-PESOL	90A	
Elastocast® TC95E	TDI-PolyTHF	95A	
Elastocast® TDD75E	TDI-PolyTHF	75D	
<b>Standard TPU Solutions</b>			
Elastollan® 1190A10	Ether	90A	• Many other grades in ester and ether backbone resins are available for custom applications
Elastollan® B80A15	Ester	80A	
Elastollan® C70A10WH	Ester	70A	
Elastollan® C70A15HPM	Ester	70A	• Superior cut, tear and abrasion resistance properties
Elastollan® S90A55N	Ester	90A	• Excellent damping properties and high resiliency
Elastollan® S95A	Ester	95A	

## Notes

Please contact our technical service department for more help on formulating with products from the Elastollan® and Elastocast® product line.

BASF Corporation, Wyandotte, MI

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