

## Tough Plastics for Dunnage

When shipping your valuable, precision parts, BASF has the solutions you need to protect them. Elastocast® elastomers, Elastoflex® i-skins, Elastollan® TPU and Elastocoat® elastomeric spray systems provide rugged, durable high strength protection for every possible configuration.

### Benefits

- High chemical and moisture resistance
- Superior tear and abrasion resistance
- The most durable solution available
- Compatible with high and low pressure dispensing equipment
- Robust processing properties
- One ISO for solid and i-skin formulations

### Typical Applications

- Reusable racks and containers
- Returnable packaging

### ISO's for Both Technologies:

- Elastoflex® 3120T
- Elastoflex® 3092T

### Why is BASF the First Choice in Returnable Dunnage?



#### Breadth of Portfolio

All the solutions you need – PU Elastomers, TPU, Foam, Elastomeric coatings & Engineering Plastics



#### Multiple Isocyanate Solutions

Isocyanates to fit your performance requirements and equipment or one isocyanate for foam and elastomer



#### Processing & Equipment Knowledge

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



#### Partnership – Start to Finish

Experience formulators and tech service invested in you



#### Low Environmental Impact Systems

All foam systems utilize near zero GWP blowing agents

	Hardness (Shore A)	Foam Density (PCF)	Die C Tear (PLI)	Split Tear (PLI)	Tensile Strength (PSI)	Ultimate Elongation (%)	Notes
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### Standard Integral Skin Solutions

Elastofoam® 38751R/3120T	35-65	15-25	28-48	10-18	200-400	180-200	<ul style="list-style-type: none"> <li>All standard systems utilize HFO blowing agents.</li> <li>Other systems can be supplied without blowing agents</li> <li>Customized formulations available to target specific properties</li> <li>Prototype parts can be made using BASF's Hennecke dispensing machine</li> </ul>
Elastofoam® 38850R/3120T	65	27	64	26	495	230	
Elastofoam® 38650R/3120T	75	27	68	35	550	90	
Elastofoam® 38660R/3120T	90	27	120	53	890	80	

### Standard Polyurethane Elastomer Solutions

#### Standard Performance Grades

Elastocast® 72470R/3092T	70A	–	210	–	2500	350	<ul style="list-style-type: none"> <li>Customization available to meet specific customer requirements</li> <li>Resin and ISO options to dial in required performance for low- and high-pressure machines</li> <li>Superior load bearing and damping properties</li> </ul>
Elastofoam® 37310R/3120T	90A	–	300	–	2100	450	
Elastocast® 72740R/3092T	90A	–	340	–	2500	500	
Elastocast® R4A972/3092T	97A	–	550	–	2700	200	
Elastocast® R4D65/3092T	65D	–	500	–	3500	110	

#### High Performance Grades

Elastocast® R4A90E/3092T	90	–	450	–	4960	400
Elastocast® R4A95E/3092T	95	–	589	–	5500	396

	Hardness	Tensile Strength (PSI)	Die C Tear (PLI)	Ultimate Elongation (%)	Taber Abrasion (mg loss)	Din Abrasion (mm <sup>3</sup> loss)	Notes
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### Standard TPU Solutions

Elastollan® S90AN	90A	6200	830	540	25	30	<ul style="list-style-type: none"> <li>Many other grades in ester and ether backbone resins are available for custom applications</li> <li>Superior cut, tear and abrasion resistance properties</li> <li>Excellent damping properties and high resiliency</li> </ul>
Elastollan® S95AN	93A	6600	950	500	30	30	
Elastollan® S60DN	60D	7300	1300	400	50	25	

## Notes

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

BASF Corporation, Wyandotte, MI

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