

Product Comparison

Technical Data

General	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55
Manufacturer / Supplier	• BASF Polyurethanes GmbH	• BASF Polyurethanes GmbH	• BASF Polyurethanes GmbH	• BASF Polyurethanes GmbH
Generic Symbol	• TPU-Polyether	• TPU-Polyether	• TPU-Polyether	• TPU-Polyether
Material Status	• Commercial: Active	• Commercial: Active	• Commercial: Active	• Commercial: Active
Literature ¹	• Processing - Elastollan (English)	• Processing - Elastollan (English)	• Processing - Elastollan (English)	• Processing - Elastollan (English)
UL Yellow Card ²	• E140250-222873	• E140250-222873	• E140250-222873	• E140250-222873
Search for UL Yellow Card	• BASF Polyurethanes GmbH • Elastollan®	• BASF Polyurethanes GmbH • Elastollan®	• BASF Polyurethanes GmbH • Elastollan®	• BASF Polyurethanes GmbH • Elastollan®
Availability	• Europe	• Europe	• Europe	• Europe
Features	• Bacteria Resistant • Hydrolysis Resistant	• Bacteria Resistant • Hydrolysis Resistant	• Bacteria Resistant • Hydrolysis Resistant	• Bacteria Resistant • Hydrolysis Resistant
Forms	• Pellets	• Pellets	• Pellets	• Pellets

Physical	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55	Unit	Test Method
Density	1.15	1.15	1.15	1.15	g/cm³	ISO 1183

Mechanical	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55	Unit	Test Method
Tensile Stress (Break)	55.0	55.0	55.0	55.0	MPa	ISO 527-2
Tensile Strain (Break)	500	500	500	500	%	ISO 527-2

Elastomers	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55	Unit	Test Method
Tensile Stress						ISO 37
100% Strain	10.0	10.0	10.0	10.0	MPa	
300% Strain	18.0	18.0	18.0	18.0	MPa	
Tear Strength	100	100	100	100	kN/m	ISO 34-1
Compression Set						ISO 815
23°C	30	30	30	30	%	
70°C	45	45	45	45	%	

Impact	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55	Unit	Test Method
Charpy Notched Impact Strength						ISO 179
-30°C	No Break	No Break	No Break	No Break		
23°C	No Break	No Break	No Break	No Break		

Hardness	Elastollan® 1195 A 10	Elastollan® 1195 A 15	Elastollan® 1195 A 50	Elastollan® 1195 A 55	Unit	Test Method
Shore Hardness						ISO 868
Shore A	96	96	96	96		
Shore D	48	48	48	48		
Additional Information						
Elastollan® 1195 A 10	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 6 Mpa Abrasion Loss, DIN 53516: 25 mm³ Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 37 Mpa Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 500 %					
Elastollan® 1195 A 15	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 6 Mpa Abrasion Loss, DIN 53516: 25 mm³ Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 37 Mpa Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 500 %					
Elastollan® 1195 A 50	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 6 Mpa Abrasion Loss, DIN 53516: 25 mm³ Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 37 Mpa Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 500 %					
Elastollan® 1195 A 55	Note: These properties were tested in accordance with the DIN test standard. Stress at 20% elongation, DIN 53504: 6 Mpa Abrasion Loss, DIN 53516: 25 mm³ Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 37 Mpa Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 500 %					

Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- ² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- ³ Typical properties: these are not to be construed as specifications.

