

Elastollan® 1154 D 50U

Thermoplastic Polyurethane Elastomer (Polyether)

Elastogran GmbH

General		
Material Status	• Commercial: Active	
Availability	• Europe	
Features	• Bacteria Resistant	• Hydrolysis Resistant
Forms	• Pellets	

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	150	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	450	%	ISO 527-2

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	17.0	MPa	
300% Strain	38.0	MPa	
Tear Strength	150	kN/m	ISO 34-1
Compression Set			ISO 815
23°C	40	%	
70°C	50	%	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	23	kJ/m ²	
23°C	No Break		

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	53		ISO 868

Additional Information

Note: These properties were tested in accordance with the DIN test standard.
 Stress at 20% elongation, DIN 53504: 11 Mpa
 Abrasion Loss, DIN 53516: 20 mm³
 Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 35 Mpa
 Elongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 450 %

Notes

¹ Typical properties: these are not to be construed as specifications.

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由IDES发布, 我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。 我公司不承担任何法律责任！