

# Elastollan® R 2001

## Thermoplastic Polyurethane Elastomer (Polyester)

### Elastogran GmbH

General	
Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm <sup>3</sup>	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Break)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	11	kJ/m <sup>2</sup>	
23°C	40	kJ/m <sup>2</sup>	
Charpy Unnotched Impact Strength			ISO 179
-20°C	60	kJ/m <sup>2</sup>	
23°C	No Break		

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	67		ISO 868

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	0.000022	cm/cm/°C	ISO 11359-2

#### Additional Information

Note: These properties were tested in accordance with the DIN test standard.  
Residue on Ignition, DIN 53568: 20 %

#### Notes

<sup>1</sup> 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](http://www.kedisujiao.com)

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