

Elastollan® R 1011

Thermoplastic Polyurethane Elastomer (Ester/Ether)

Elastogran GmbH

General	
Material Status	• Commercial: Active
Availability	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding
Multi-Point Data	• Shear Modulus vs. Temperature (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Density	--	1.31 g/cm ³	ISO 1183
	--	1330 kg/m ³	ISO 1183 ²

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	900	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	35	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	20	kJ/m ²	
23°C	50	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	70	kJ/m ²	
23°C	No Break		

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	59		ISO 868

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	135	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°C	ISO 75-2/A
CLTE - Flow			
23 to 80°C	0.000020	cm/cm/°C	ISO 11359-2
--	0.000020	cm/cm/°C	ISO 11359-2 ²

Electrical	Nominal Value	Unit	Test Method
Comparative tracking index	600		IEC 60112 ²

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

Notes

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

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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！