

Elastollan® 1264 D 13 U 000

Thermoplastic Polyurethane Elastomer (Polyether)

BASF Polyurethanes GmbH

Message:

High transparent, thermoplastic Polyether-Polyurethane with outstanding hydrolysis resistance, low temperature flexibility and high resistance to micro-organisms.

General Information			
Features	Flexibility at low temperatures		
	Antimicrobial		
	Hydrolysis resistance		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	64		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	310	MPa	ISO 527-2
Abrasion Loss	40.0	mm ³	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504-S2
20% strain	17.0	MPa	DIN 53504-S2
100% strain	25.0	MPa	DIN 53504-S2
300% strain	35.0	MPa	DIN 53504-S2
Tensile Stress (Yield)	50.0	MPa	DIN 53504-S2
Tensile Elongation (Break)	350	%	DIN 53504-S2
Tear Strength ¹	170	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	48	%	ISO 815
70°C, 24 hr	48	%	ISO 815
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	12	kJ/m ²	ISO 179
23°C	No Break		ISO 179
Injection	Nominal Value	Unit	

Drying Temperature	90 - 110	°C
Drying Time	4.0 - 5.0	hr
Suggested Max Moisture	0.020	%
Hopper Temperature	40	°C
Rear Temperature	200 - 230	°C
Middle Temperature	205 - 240	°C
Front Temperature	210 - 240	°C
Nozzle Temperature	220 - 250	°C
Processing (Melt) Temp	210 - 240	°C
Mold Temperature	15 - 70	°C
Injection Rate	Slow	
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	175 - 195	°C
Cylinder Zone 2 Temp.	185 - 205	°C
Cylinder Zone 3 Temp.	200 - 220	°C
Cylinder Zone 4 Temp.	205 - 215	°C
Adapter Temperature	220 - 240	°C
Die Temperature	210 - 230	°C
NOTE		

- Method B, right-angle specimen (cut)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT