

# Elastollan® 670 AWHU

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Transparent, Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties, outstanding wear resistance, good damping and resilience performance.

Typical applications

Decorative parts and damping elements for the sport shoe industry, Ski tips, tubes and Films.

General Information	
Additive	Plasticizer
	UV Stabilizer
Features	Good UV Resistance
	Good Wear Resistance
	Resilient
Uses	Decorative Parts
	Film
	Footwear
	Sporting Goods
	Tubing
Appearance	Clear/Transparent
Processing Method	Blow Molding
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	70		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	40.0	mm <sup>3</sup>	ISO 4649-A
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
20% Strain	1.00	MPa	
100% Strain	3.00	MPa	
Tensile Stress			DIN 53504
Yield <sup>1</sup>	30.0	MPa	
Yield	35.0	MPa	

Tensile Elongation			DIN 53504
Break <sup>2</sup>	700	%	
Break	650	%	
Tear Strength <sup>3</sup>	40	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	25	%	
70°C, 24 hr	40	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	175 to 230	°C	
Mold Temperature	20.0 to 50.0	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	175 to 220	°C	
NOTE			
1.	after storage in water for 21 days at 80°C		
2.	after storage in water for 21 days at 80°C		
3.	Method Bb, Angle (Nicked)		

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

