

Elastane™ 4762-82A

Thermoplastic Polyurethane Elastomer (Polyester)

Technical Polymers, LLC

Message:

Elastane™ 4762-82A is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material. It is available in North America for extrusion or injection molding.

General Information			
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 23°C)	82		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% Strain, 23°C	3.79	MPa	
100% Strain, 23°C	5.17	MPa	
300% Strain, 23°C	100	MPa	
Tensile Strength (Yield, 23°C)	44.3	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	550	%	ASTM D412
Tear Strength (23°C)	75.0	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 70 hr	23	%	
70°C, 22 hr	48	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	73.9	°C	ASTM D1525
Injection	Nominal Value	Unit	
Drying Temperature	87.8 to 104	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	182 to 216	°C	
Mold Temperature	26.7 to 60.0	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	87.8 to 104	°C	
Drying Time	3.0 to 4.0	hr	
Melt Temperature	182 to 216	°C	

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