

STARFLEX® P 7027-1000

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

STARFLEX® P 7027 Elastomer is an unfilled easy processing material designed for applications where FDA regulations are required. The material exhibits high resilience, low compression set, and good puncture resealing characteristics. It is also steam sterilizable.

STARFLEX® P 7027 Elastomer is well suited for pharmaceutical closures, syringe bulbs, medical devices, and other applications where its combined rubber character, and thermoplastic nature can result in performance products at lower total cost. STARFLEX® P 7027 is supplied as ready to use translucent nibs of uniform size.

General Information			
Features	Good Processability		
	Good Sterilizability		
	Good Weather Resistance		
	Resilient		
Uses	Medical/Healthcare Applications		
	Tubing		
	Valves/Valve Parts		
Agency Ratings	FDA Unspecified Rating		
Appearance	Translucent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Molding Shrinkage - Flow	3.0 to 3.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	27		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.86	MPa	ASTM D412
Tensile Elongation (Break)	900	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	182 to 193	°C	
Front Temperature	188 to 199	°C	
Nozzle Temperature	199 to 210	°C	
Mold Temperature	37.8 to 60.0	°C	
Injection Pressure	3.45 to 4.83	MPa	
Injection Rate	Moderate		

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

