

STARFLEX® P 7054-1000

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

STARFLEX® P 7054 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 7054 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 7054 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
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	1.5 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	54		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.41	MPa	ASTM D412
Tensile Strength (Break)	4.48	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	193 to 204	°C	
Front Temperature	199 to 216	°C	
Nozzle Temperature	204 to 216	°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

