

# STARFLEX® P 7007-1000

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

## Message:

STARFLEX® P 7007-1000 is a Thermoplastic Elastomer (TPE) material. It is available in North America for extrusion or injection molding. Primary attribute of STARFLEX® P 7007-1000: Good Weather Resistance.

Typical application of STARFLEX® P 7007-1000: Consumer Goods

General Information	
Features	Good Weather Resistance
Uses	Toys
Appearance	Translucent
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	3.2 to 3.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	7		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	1000	%	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		
Back Pressure	0.552 to 1.03	MPa	

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## 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



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