

STARFLEX® P 7391

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

STARFLEX® P 7391 Elastomer is an easy processing 90 Shore A hardness material designed for a wide variety of applications. STARFLEX® P 7391 Elastomer is supplied in pelletized form ready for thermoplastic processing.

STARFLEX® P 7391 Elastomer is a versatile product for use in injection molding, extrusion, blow molding and other thermoplastic fabricating techniques. Since STARFLEX® P 7391 Elastomer conducts heat well compared to polyolefins, molded parts cool quickly and relatively short cycle times are obtained. Scrap is 100 percent recyclable. The finished parts have sharp and well defined details.

General Information			
Features	Fast Molding Cycle		
	Good Processability		
	Good Weather Resistance		
	Recyclable Material		
Uses	Knobs		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	91		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	6.21	MPa	ASTM D412
Tensile Strength (Break)	10.3	MPa	ASTM D412
Tensile Elongation (Break)	640	%	ASTM D412
Injection	Nominal Value	Unit	
Rear Temperature	193 to 204	°C	
Front Temperature	204 to 216	°C	
Nozzle Temperature	216 to 232	°C	
Mold Temperature	26.7 to 65.6	°C	
Injection Pressure	3.45 to 4.83	MPa	
Injection Rate	Moderate-Fast		

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Recommended distributors for this material

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