

KRATON® G7720 GI-N

Styrene Ethylene Butylene Styrene Block Copolymer

Kraton Polymers LLC

Message:

Kraton G7720 GI-N is an easy processing, general purpose 57 Shore a hardness material designed for a wide variety of applications. It is supplied from North America in the physical forms identified below.

Kraton G7720 GI-N - supplied as a dense, natural color pellet

General Information	
Features	General Purpose
	Good Processability
	Recyclable Material
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 to 1.25	g/cm ³	Internal Method
Molding Shrinkage - Flow	1.4	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			Internal Method
Shore A ¹	62		
Shore A	52 to 62		
Shore A, 10 sec	57		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Flow			ASTM D412
100% Strain, 3.18 mm	1.38	MPa	
300% Strain, 3.18 mm	2.07	MPa	
500% Strain	3.45	MPa	
Tensile Strength - Flow (Yield, 3.18 mm)	5.52	MPa	ASTM D412
Tensile Elongation - Flow (Break, 3.18 mm)	700	%	ASTM D412
Tear Strength ² (3.18 mm)	26.3	kN/m	ASTM D624
Compression Set			ASTM D395B
23°C, 22 hr	15	%	
70°C, 22 hr	38	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	140	%	ASTM D573

Change in Ultimate Elongation in Air	130	%	ASTM D573
Change in Durometer Hardness (Shore A)	2.0		ASTM D573
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-63.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Burning Rate ³	51	mm/min	FMVSS 302
Ozone Resistance ⁴ (38°C)	No Cracking		ASTM D518/1149
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		
Back Pressure	0.689 to 1.38	MPa	
NOTE			
1.	Instant		
2.	Die C		
3.	SAE J369		
4.	100 pphm, 72 hr, 7X magnification		

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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

