



KRATON® G7720-9001-01

Thermoplastic Elastomer

Key Characteristics

Product Description

Kraton® G7720-9001-01 is an easy processing, general purpose TPE designed for a wide variety of applications.

*All properties are determined using Kraton Polymers test methods.

- Good Ozone/UV Stability
- Overmold Adhesion to Polypropylene

General

Material Status	• Commercial: Active	
Regional Availability	• North America	• Asia Pacific
Features	• Ozone Resistant	• Good UV Resistance
Automotive Specifications	• GM GMP.TES.002	• CHRYSLER MS-AR10 Type B
Appearance	• Black	
Processing Method	• Extrusion	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.20	1.20	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.012 to 0.016 in/in	1.2 to 1.6 %	ASTM D955
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ^{2,3} (100% Strain, 73°F (23°C))	200 psi	1.38 MPa	ASTM D412
Tensile Stress ^{2,3} (300% Strain, 73°F (23°C))	300 psi	2.07 MPa	ASTM D412
Tensile Strength ^{2,3} (Break, 73°F (23°C))	800 psi	5.52 MPa	ASTM D412
Tensile Elongation ^{2,3} (Break, 73°F (23°C))	700 %	700 %	ASTM D412
Tear Strength	150 lbf/in	26.3 kN/m	ASTM D624
Compression Set (158°F (70°C), 22.0 hr)	44 %	44 %	ASTM D395B
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	57	57	ASTM D2240

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	380 to 400 °F	193 to 204 °C
Front Temperature	400 to 420 °F	204 to 216 °C
Nozzle Temperature	420 to 450 °F	216 to 232 °C
Mold Temperature	80.0 to 150 °F	26.7 to 65.6 °C
Back Pressure	100 to 200 psi	0.689 to 1.38 MPa

Injection Notes

1st Stage - Boost Pressure: 500 to 700 psi

Notes

¹ Typical values are not to be construed as specifications.

² Die C

³ 2 hr

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