



The Leader in Total TPE Solutions

Kraton® G7820-9001-01

Compound

Technical Data Sheet

October 25, 2007

<p><u>Product Description</u></p> <p>Kraton® G7820-9001-01 is an easy processing, general purpose TPE designed for a wide variety of applications.</p> <p>*All properties are determined using Kraton Polymers test methods.</p>	<p><u>Features</u></p> <ul style="list-style-type: none"> -Chrysler MS-AR10D Compliant -Overmold Adhesion to Polypropylene -Good Ozone/UV Stability -Excellent Heat Stability
<p><u>Color</u></p> <p>Black</p>	<p><u>Processing Method</u></p> <p>Extrusion, Injection Molding</p>

Mechanical Properties	English	SI	Test Method
Shore Hardness, 10 sec delay	90 A	90 A	ASTM D2240
Specific Gravity	1.14	1.14	ASTM D792, 23/23°C

Tensile Strength	1900 psi	13100 kPa	ASTM D412-Die C, 2hrs,23°C
Elongation at Break	600 %	600 %	ASTM D412-Die C, 2hrs,23°C
100% Modulus	700 psi	4826 kPa	ASTM D412-Die C, 2hrs,23°C
300% Modulus	1000 psi	6895 kPa	ASTM D412-Die C, 2hrs,23°C
Tear Strength	300 pli	53 kN/m	ASTM D624

Thermal/Rheological Properties

	English	SI	Test Method
Melt Flow Rate @ 230° C, 5000g	44 g/10 min	44 g/10 min	ASTM D 1238

Aged Properties

	English	SI	Test Method
Compression Set, 22 hrs @ RT	27 %	27 %	ASTM D 395B

Shrinkage Properties	English	SI	Test Method
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Flow	0.007 - 0.011 in/in	0.007 - 0.011 mm/mm	ASTM D 955
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Molding Temperatures	English	SI
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Rear		380 - 400 °F	193 - 204 °C
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Front		400 - 420 °F	204 - 216 °C
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Nozzle		420 - 450 °F	216 - 232 °C
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Mold		80 - 150 °F	27 - 66 °C
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Molding Parameters	English	SI
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1st Stage - Boost Pressure		500 - 700 psi	3447 - 4826 kPa
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Back Pressure

100 - 200 psi

689 - 1379 kPa

Notes

The properties shown are typical values and are not intended as product specifications. The test methods referenced are modifications of the ASTM and ISO procedures listed. All tests are conducted on injection molded samples. No warranties, expressed or implied, including patent warranties, or warranties of merchantability or fitness for use, are made with respect to the product information described above.

KRATON® is a registered trademark of KRATON Polymers U.S. LLC.



Corporation

833 Ridgeview Drive
McHenry, IL 60050
phone 800-457-8777
phone 815-385-8500
fax 815-385-8533