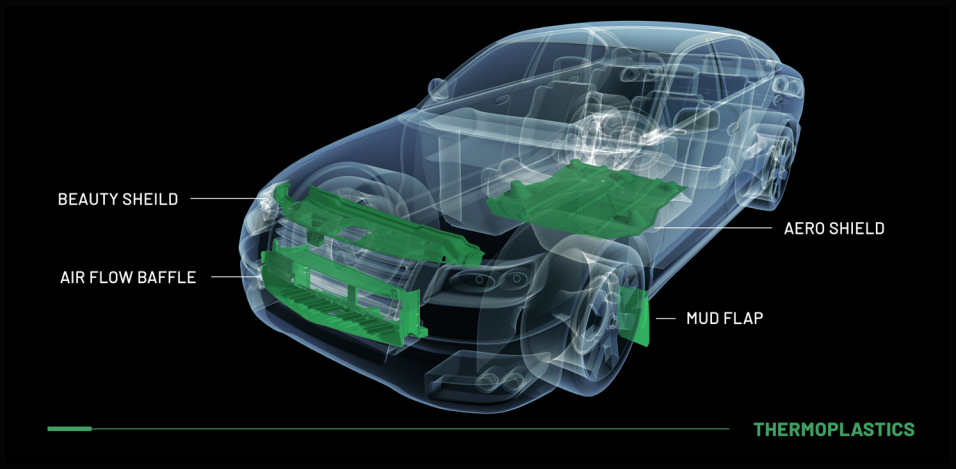
enduraprene™
the eco-friendly, ultra-durable TPE



GDC Thermoplastics

We offer injection, compression-molded and die-cut products including full-service design, tooling, and program management to Automotive OEMs and Tier One suppliers.

Proven Process

Our engineering team will work directly with you to problem solve and develop an effective plan to succeed at an automotive fast cadence. We have a proven track record of producing successfully molded part assemblies for our customers.

Features/Benefits

- Twin shot Radiator Baffle assemblies
- Beauty Panels
- Aeroshields & Underbody Panels
- Water Diverters
- Fender Seals & Foam Muckets
- Baffles and Air Guides

2395

FLEXIBLE Processes

2395 is the most versatile EndurapreneTM. 2395 can be:

- Extruded into Sheet
- Injection Molded
- Compression Molded
- Vacuum Formed
- Blow Molded
- Die-Cut
- And Thermoformed

2395 may also be combined with our 2390 material to create a dual durometer part. This process offers a quick and cost effective option and save you thousands of dollars and tooling timing over two-shot injection molding.

Vibration Welded Enduraprene™

Sonic Welded Enduraprene™

GDC's EndurapreneTM 2395 is a thermoplastic polyolefin material derived from recycled rubber and plastic materials utilizing patented technologies and proprietary formulations to create cost effective alternatives for certain TPE and Rubber applications.

NEW!

2395Re

EXTRUSION GRADE

2395Re is a popular choice when extra strength is required. Available in thickness from 1.4 to 3.5mm, 2395Re can be die-cut and thermal formed, compression molded or even vacuum formed. 2395Re's high heat resistance makes the material an excellent option under the hood and around the radiator. Combined with our 2390Re, dual durometer parts can be engineered at a fraction of the cost of two shot injection molded parts.

2395Ri

INJECTION GRADE

2395Ri is specially designed for injection molded applications. 2395Ri provides the same heat resistance and toughness as 2395Re and also works well with our 2390Re to create dual durometer parts. 2395Ri has an amazing finish and performance that will compete with any polypropylene on the market. 2395Ri is a 100% recycled solution for high volume, under-the-hood programs.

2395Ci

BIO-INJECTION GRADE

GDC, Inc. partnered with Natural Composites Inc. to create the first Bio-Recycled EndurapreneTM, 2395Ci. Coconut shell powder provides extra strength and stiffness, while reducing the overall weight. Coconut has proven to be the ideal bio material not only because of its physical attributes but also due to stable material stream. Coconut shells have been clogging up landfills across the world, much like rubber tires.

GDC's recycled rubber technology is vertically integrated back to compounding of raw materials.

enduraprene™ QUICKSPEC

LOW 1 ⟷ HIGH 5

STIFFNESS	TENSILE	STRENGTH	HEAT
3	4	5	5

TOYOTA CHRYSLER Ford GM APPROVED

FLEXIBLE Processes

2390 is soft, heat resistant EndurapreneTM. 2390 can be:

- Extruded into Sheet or Rolls
- Injection Molded
- Vacuum Formed
- Die-Cut
- And Thermoformed

2390Re may also be combined with our 2395Re, 2395Ri, 2395Ci or 2195 Re material to create a dual durometer part. This process offers a quick and cost effective option, save you timing over two-shot injection molding.

2390Re vibration welded to 2195Ri

2390Re
EXTRUSION GRADE

2395Re is a popular choice when extra strength is required. Available in thickness from 1.4 to 3.5mm, 2395Re can be die-cut and thermal formed, compression molded or even vacuum formed. 2395Re's high heat resistance makes the material an excellent option under the hood and around the radiator. Combined with our 2390Re, dual durometer parts can be engineered at a fraction of the cost of two shot injection molded parts.

2390Ri
INJECTION GRADE

2395Ri is specially designed for injection molded applications. 2395Ri provides the same heat resistance and toughness as 2395Re and also works well with our 2390Re to create dual durometer parts. 2395Ri has an amazing finish and performance that will compete with any polypropylene on the market. 2395Ri is a 100% recycled solution to high volume, under the hood programs.

GDC's recycled rubber technology is vertically integrated back to compounding of raw materials.

enduraprene™ QUICKSPEC

LOW 1 ← → 5 HIGH

STIFFNESS	TENSILE	STRENGTH	HEAT
3	4	5	5

TOYOTA CHRYSLER Ford GM APPROVED

FLEXIBLE Processes

2195 is the most rigid EndurapreneTM. 2195 can be:

- Extruded into Sheet
- Compression Molded
- Blow Molded
- Vacuum Formed
- Die-Cut
- And Thermoformed

2195 may also be combined with our 2390 material to create a dual durometer part. This process offers a quick and cost effective option, saving you thousands of dollars and tooling timing over two-shot injection molding.

2195Re Vibration Welded To 2390Re

Compression Molded 2195Re

Die Cut and Thermoformed 2195Re

Vacuum Formed 2195Re

2195Re

EXTRUSION GRADE

GDC's EndurapreneTM 2195Re is a thermoplastic elastomer material derived from recycled rubber and plastic materials utilizing patented technologies and proprietary formulations to create cost effective alternatives for certain TPE and Rubber applications. 2195Re is available in thicknesses from 1.5mm to 3.5mm. Compression molded 2195Re is a more efficient alternative to large size parts over injection molding.

GDC's recycled rubber technology is vertically integrated back to compounding of raw materials.

enduraprene™ QUICKSPEC LOW 1 ⟷ HIGH 5

STIFFNESS	TENSILE	STRENGTH	HEAT
5	3	5	2

TOYOTA CHRYSLER Ford GM APPROVED

FLEXIBLE Processes

2285 is the softest, most pliable EndurapreneTM. 2285 can be:

- Extruded into Sheet or Rolls
- Vacuum Formed
- Die-Cut
- And Thermoformed

2285Re is a better solution over masticated rubber because of its strength, lower weight and process versatility.

2285Re may also be combined with our 2395Re, 2395Ri, 2395Ci or 2195Re material to create a dual durometer part. This process offers a quick and cost effective option, saving you thousands of dollars and tooling timing over two-shot injection molding.

Sonic Welded Enduraprene™

2285Re

EXTRUSION GRADE

GDC's Enduraprene™ 2285 is a thermoplastic elastomer material derived from recycled rubber and plastic materials utilizing patented technologies and proprietary formulations to create cost effective alternatives for certain TPE and Rubber applications. 2390Re's flexible processes and lower specific gravity provide an advantage over masticated rubber. 2285 is available in thicknesses from 1.5mm to 6.3mm.

Millions of Tires Have Been Recycled to make Enduraprene™

GDC's recycled rubber technology is vertically integrated back to compounding of raw materials.

enduraprene™ QUICKSPEC 1 LOW ← → HIGH 5

STIFFNESS	TENSILE	STRENGTH	HEAT
2	2	3	2

TOYOTA CHRYSLER Ford GM APPROVED

FLEXIBLE Processes

2285 is the softest, most pliable EndurapreneTM. 2285 can be:

- Extruded into Sheet or Rolls
- Vacuum Formed
- Die-Cut
- And Thermoformed

2285Re is a better solution over masticated rubber because of its strength, lower weight and process versatility.

2285Re may also be combined with our 2395Re, 2395Ri, 2395Ci or 2195Re material to create a dual durometer part. This process offers a quick and cost effective option, saving you thousands of dollars and tooling timing over two-shot injection molding.

Sonic Welded Enduraprene™

Deep Green BIO-COMPOSITES

2285Re

EXTRUSION GRADE

GDC's Enduraprene™ 2285 is a thermoplastic elastomer material derived from recycled rubber and plastic materials utilizing patented technologies and proprietary formulations to create cost effective alternatives

Millions of Tires Have Been Recycled to make Enduraprene™

for certain TPE and Rubber applications. 2390Re's flexible processes and lower specific gravity provide an advantage over masticated rubber. 2285 is available in thicknesses from 1.5mm to 6.3mm.

GDC's recycled rubber technology is vertically integrated back to compounding of raw materials.

enduraprene™ QUICKSPEC 1 (LOW) ← → 5 (HIGH)

STIFFNESS	TENSILE	STRENGTH	HEAT
2	2	3	2

TOYOTA CHRYSLER Ford GM APPROVED

Our Novi sales & engineering office offers experienced staff along with design services, prototype, and program management capabilities.

Contact GDC Sales & Engineering at 248-504-5220