

SPECIALTY PACKAGING SOLUTIONS

ADD WEIGHT AND AESTHETICS TO YOUR LUXURY PACKAGING CLOSURE DESIGNS WITH DENSITY MODIFIED FORMULATIONS



Consumers of luxury cosmetics and spirits tend to perceive added value from packaging that incorporates weight, aesthetics, and visual surface effects into the design. When designing with metals like aluminum, zinc, iron, steel, and other alloys, you may face processing challenges and complexity. Injection-moldable Gravi-Tech™ density modified formulations can help you achieve the evenly distributed weight, complex designs, and visual surface effects of metal without the extra costs and steps associated with die cast mold tooling or secondary assembly operations.

HOW GRAVI-TECH MAKES THE DIFFERENCE FOR PACKAGING CLOSURES IN THE LUXURY COSMETICS AND SPIRITS MARKETS

FOR BRAND OWNERS

Create a weighted closure for a luxury brand product – Gravi-Tech is a high density, injection moldable material which can be as lightweight as plastic or up to four times as heavy as aluminum.

Achieve complex designs without expensive tooling – Gravi-Tech material can be injection molded into unique part shapes utilizing lower cost molds made of P20 or H13 steel.

Add visual surface effects and aesthetics without complexity – You can achieve various aesthetic appearances using Gravi-Tech material such as color variation, metallic finish, or marbling and swirling.

Avoid the use styrenic materials – Low shrinkage PP grades provide an ABS alternative. FDA compliant materials are also available.

Incorporate recycled content – With Gravi-Tech REC grades you can add up to 98% recycled content.

Get the look and touch of metal – With grades suitable for metalization and electroplating you can achieve the look and feel of metal

FOR CONVERTERS

Compete in premium markets – Gravi-Tech material's luxury aesthetics allow plastics converters to reach new markets by competing against aluminum, zinc, iron, or steel and other alloys.

Add weight while simplifying your processing steps – Simplify your manufacturing process by injection molding a weighted, finished part in one step rather than adding a metal weight.

Reduce the number of parts – By injection molding Gravi-Tech material, you will no longer need to assemble multiple parts to achieve added weight.

Evenly distribute the weight – Injection-moldable Gravi-Tech material provides consistent weight distribution across the packaging component.

Utilize existing molds – Replace current ABS solutions with low shrinkage PP grades and utilize your existing molds



	GT5200-0013	GT7300-0006	GT7300-0010 PVD 2.0	GT5200-0016 PVD 3.0	GT5200-5025	GT7300-5020 NATURAL FD	GT5200-5009 BLACK SO FD	GT5200-5044	GT5200-5016 X2 BLACK FD	GT7300-5007 X1 WHITE FD	GT7300-5003 BLACK FD	GT5200-5003 BLACK FD	GRV PP-030-10 BLACK FD	GT5200-5068 X2 BLACK FD	GT5200-5009 X5 BLACK SO	GT7300-5021 NATURAL FD	GT7300-5003 BLACK FD	GT5200-5003 BLACK FD	GRV PP-030-10 BLACK FD	CI GT5200-5089 NATURAL	C GT5200-5082 BLACK
Specific Gravity*	2	2	2	3	1.25	1.6	1.85	2	2	2.2	2.5	2.5	3	1.20	1.90	2.2	2.50	2.50	3.0	1.20	1.20
Electroplating	No	Yes	Possibly	Possibly	Possibly	Yes	Yes	Yes	No	Possibly	Possibly	Yes	No	Yes	Yes	Yes	Not tested	Not tested	Not tested	Yes	Yes
Physical Vapor Deposition (PVD)/Vacuum Metallization	Possibly	Possibly	Yes	Yes	Possibly	Possibly	Possibly	Possibly	Yes	Yes	Yes	Yes	Yes	Possibly	Possibly	Possibly	Yes	Yes	Yes	Possibly	Possibly
Base Resin	PP	ABS	ABS	PP	PP	ABS	PP	PP	PP	ABS	ABS	PP	PP	PP	PP	ABS	ABS	PP	PP	rPP (ocean bound)	rPP (PCR)
Base Color	White	Black	Grey	Black	Natural	Natural	Black	Beige	Black	White	Black	Black	Black	Black	Black	Natural/Beige	Black	Black	Black	Natural	Black
FDA Compliant*	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
Filled	Mineral	Mineral	Mineral	Metallic	Mineral	Mineral	Mineral	Mineral	Metallic	Mineral	Metallic	Metallic	Metallic	Mineral	Mineral	Mineral	Metallic	Metallic	Metallic	Mineral	Mineral
Region Produced	North America	North America	North America	North America	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe	Europe

* Please contact Avient for additional information.



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