

VYLOSHOT™ Grade List

VYLOSHOT™(co-polyester resin)has a wide lineup from basic grades to high adhesion brands, and is excellent in heat resistance, moisture heat resistance, and chemical resistance. We also possess various colors such as black, white and natural colors.

PRODUCT (APPLICATION)	DESCRIPTION	COLOR	OPERATING TEMP (°C)	SHORE HARDNESS	MELTING POINT (°C)
GM-950-R02 (Basic)	UL V2 flame class material. High durability and good resistance to organic solvents. Wide range of applications such as automotive and heavy machines.	Black	-55°C to 130°C	90A	190°C
GM-955-R02 (Basic Low modulus)	High durability and good resistance to organic solvents. Good adhesion to FR-4 and plastics such as PBT.	Black	-55°C to 120°C	70A	160°C
GM-960-R02 (BasicHigh flow)	High durability and good resistance to organic solvents. Good moldability due to low viscosity.	Black	-55°C to 120°C	92A	160°C
GM-950-RF4 (Flame retardant)	UL V0 flame class material. High surface hardness.	Gray	-55°C to 130°C	94A	182°C
GM-968 (High flow)	Good moldability due to low viscosity Wide range of applications such as LED.	Milky White	-55°C to 120°C	91 A	160°C
GM-955-RK20 (High Adhesion Low modulus)	High durability and good resistance to organic solvents. Good adhesion to FR-4, plastics such as PBT, and metals. Recommended to be used with injection machine.	Black	-55°C to 105°C	70A	160°C
GM-960-RK30 (High Adhesion High flow)	High durability and good resistance to organic solvents. Good moldability due to low viscosity. Good adhesion to FR-4, plastics such as PBT, and metals.	Black	-55°C to 105°C	85A	160°C
GM-960-RK40 (Trial Grade) (High Adhesion High flow)	High durability and good resistance to organic solvents. Good moldability due to low viscosity. Good adhesion to FR-4, plastics such as PBT, and metals.	Black	-55°C to 130°C	86A	160°C
T60 (Trial Grade) (Flame retardant High flow)	High durability and good resistance to organic solvents. Good moldability due to low viscosity.	Black	-55°C to 130°C	84A	160°C
GM-962-B01 (Alcohol resistance High flow)	High durability and good resistance to organic solvents. Good moldability due to low viscosity.	White	-55°C to 105°C	86A	160°C

All the information and the data in this brochure in not guaranteed.
Please pay attention to check or study carefully before using the grades listed here
if these grades are suitable for your purpose, application and process condition, etc.



Ideas & Chemistry

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Issue Date : 2019.11.25

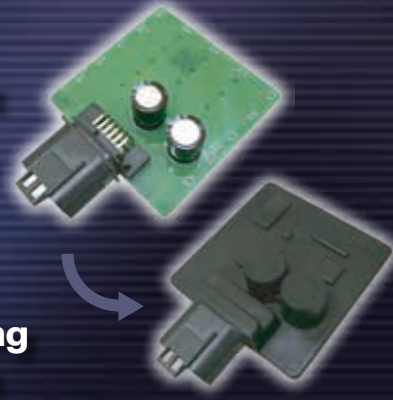


Ideas & Chemistry

LOW
PRESSURE
MOLDING

Benefits of Low Pressure Molding

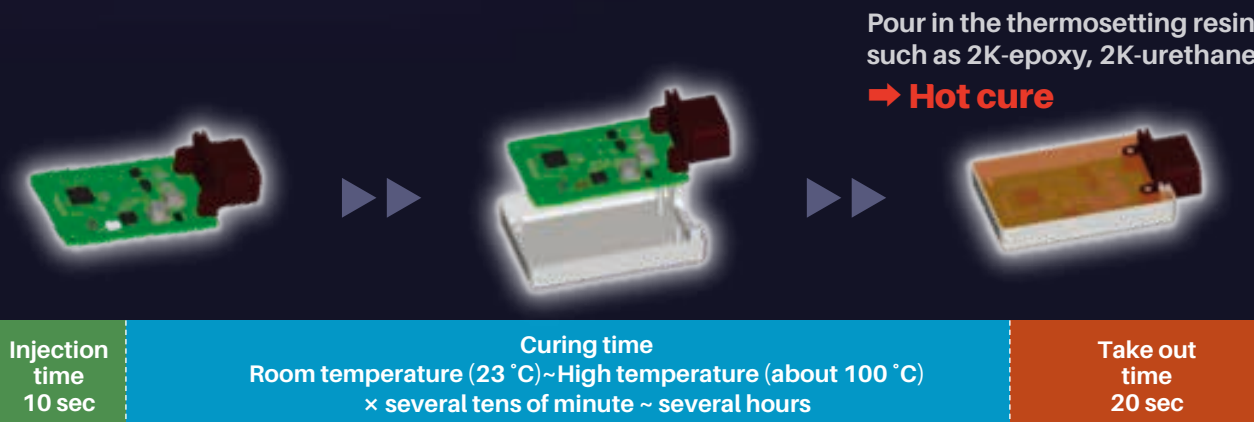
- 1 No damage to sensitive electronic PCB components
- 2 Allows for thin wall skylining, reducing overall weight
- 3 Reduction in manufacturing steps and material volume
- 4 Pellet shape and size ideal for melt tank or extruder loading
- 5 Small equipment footprint requires less manufacturing space with the ability to integrate as an in-line system



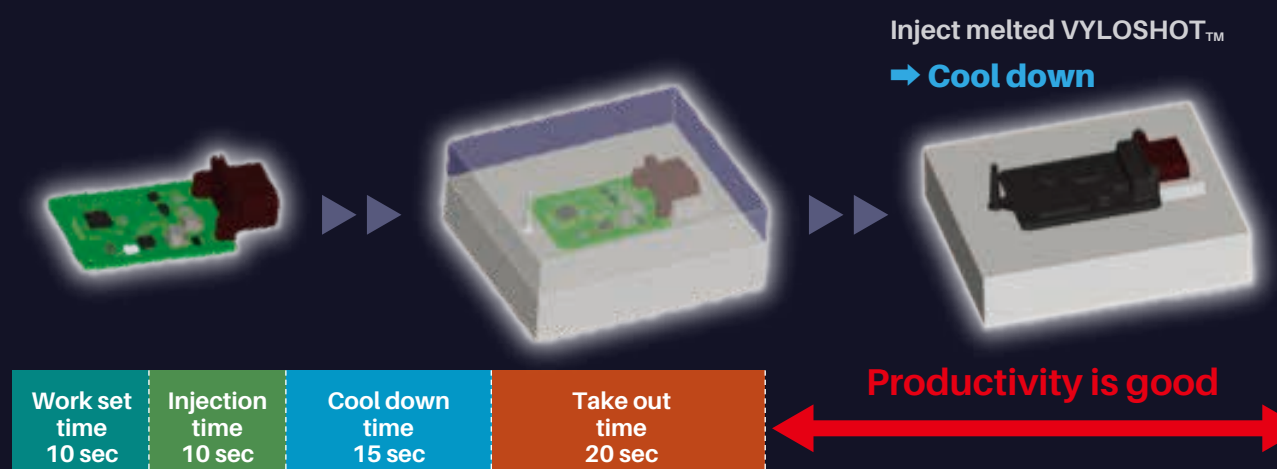
Comparison of LPM vs. Potting Process

The Low Pressure Molding (LPM) method, unlike conventional thermoset potting, eliminates the requirement for a housing and secondary curing processes. The VYLOSHOT™ hot melt adhesive, a co-polymerized polyester, can meet the sealing requirements of IP 67 and will protect sensitive electronics from shock and vibration.

Potting Process(Using thermosetting resin)

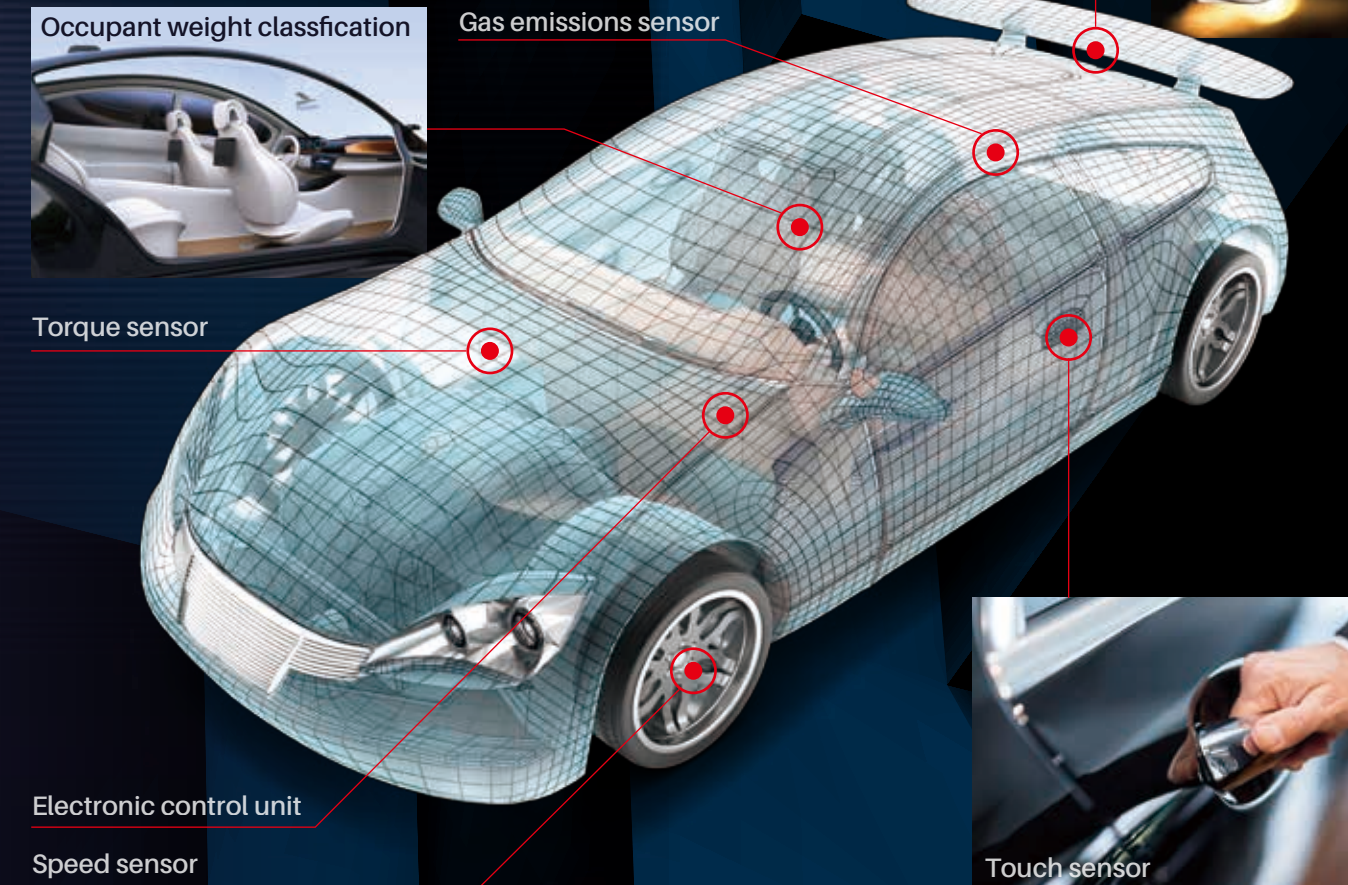


Low Pressure Molding Process(Using VYLOSHOT™)

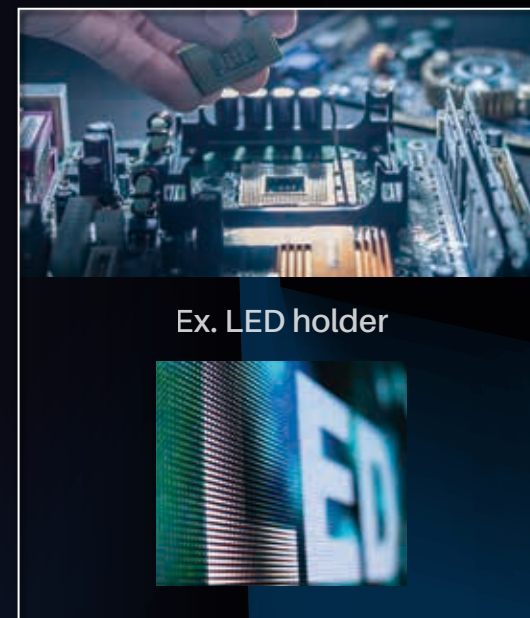


Application examples

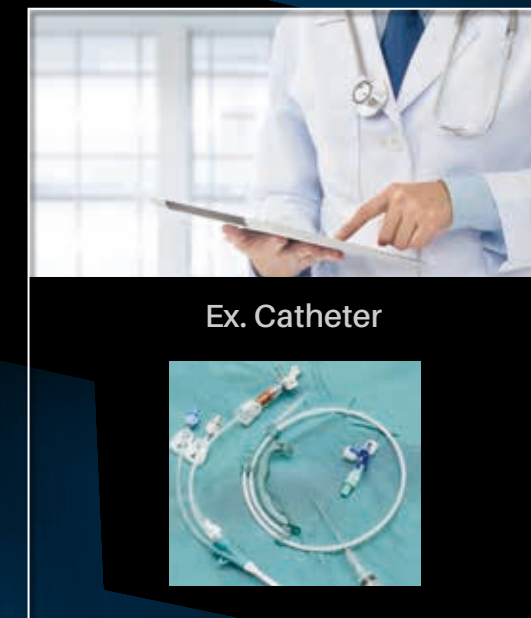
《Automotive》



《Electronics》



《Medical》

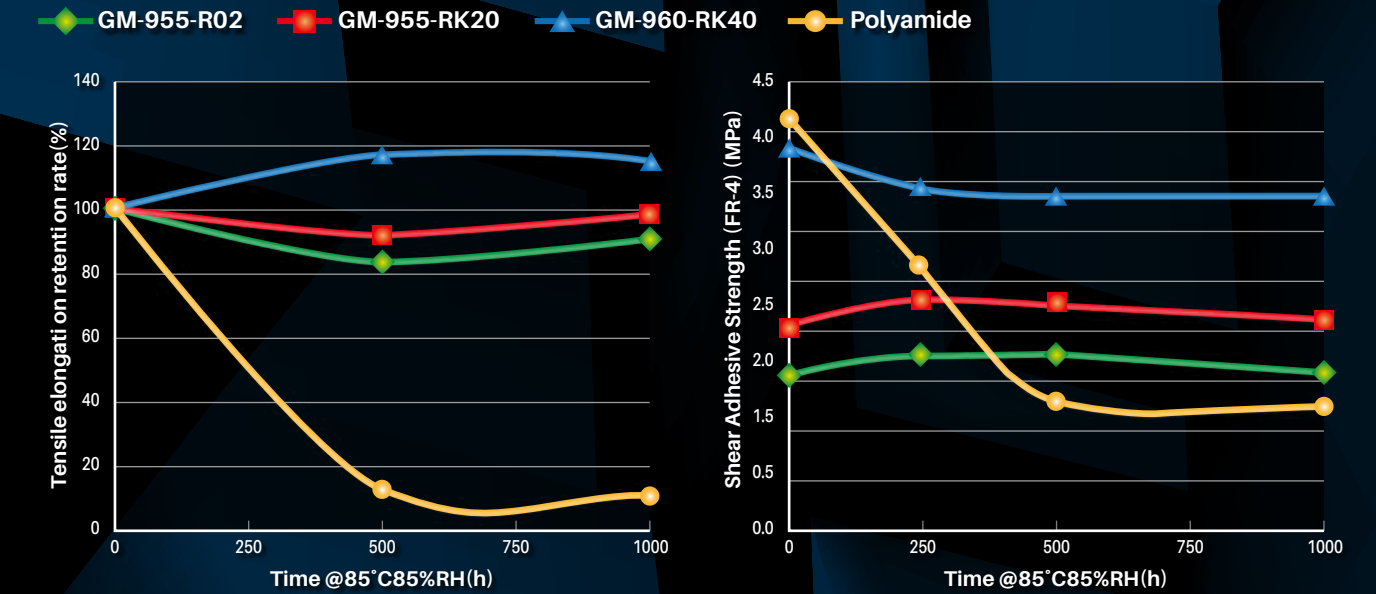


VYLOSHOT™ is widely used for sealing in the electric and electronic fields, medical fields, etc., mainly for the substrate sealing in the automotive field.

※As sealing material in the medical field, it is used only outside the body.

Performance

< Heat / humidity resistance >



< Chemical resistance >

