

Automotive – EV

EARTH



FRIENDLY

**Non Toxic
High Efficiency**

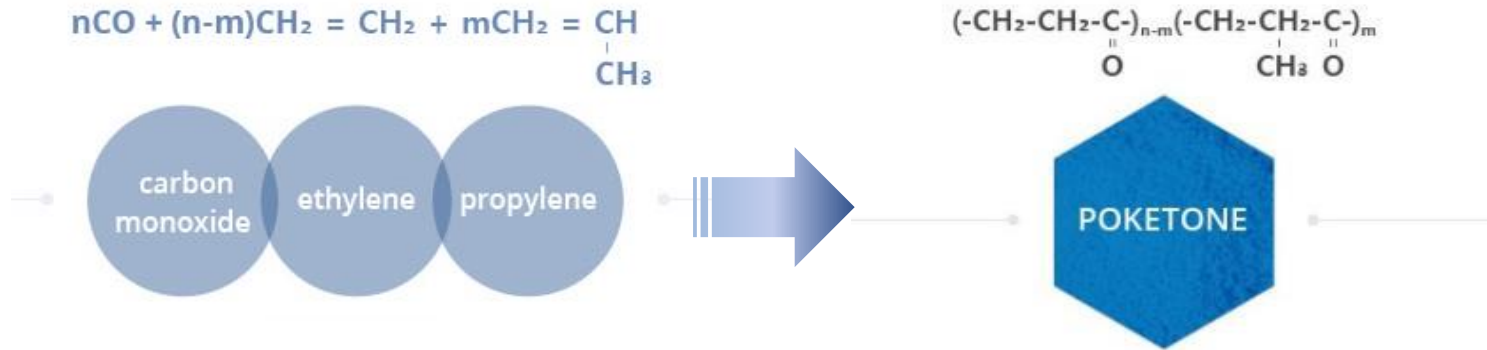
*Acrylate Free
Melamine Free
Bisphenol A Free
Formaldehyde Free
Lead/ Chrome/ Free
Phthalate Free*

Global Warming Potential

* PA6	6.70	
* PA66	6.40	
* PBT	4.88	
* PC	3.40	
* POM	3.20	
** PK	3.08	(kg CO ₂ eq)

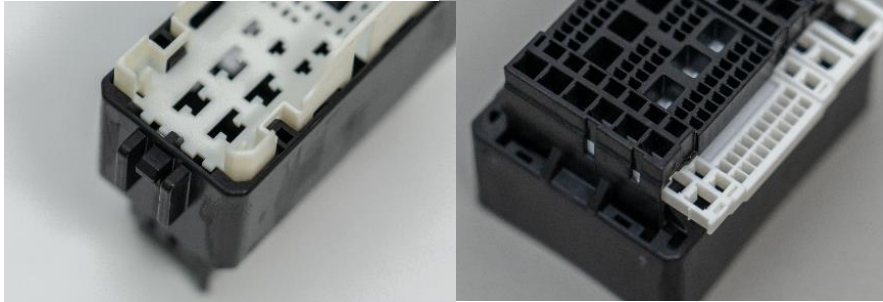
* Other ETP data is based upon the Eco-profiles data from www.plasticseurope.org

** PK Data is based upon Korea LCI database and Ecoinvent database.



- Excellent Chemical Resistance for Fuel parts vs PA6, PA66, PBT
- Better NVH(Noise, Vibration, Harshness) Performance vs PA6, PA66, PBT
- Low VOCs, Low Odor for Interior Parts vs ABS, POM
- Better Scratch/Wear resistance for Interior Parts vs ABS, POM
- Better Dimensional Stability at various Environmental Conditions vs PA6, PA66, POM
- Excellent impact performance vs PA6, PA66, PBT, POM
- Superior Hydrocarbon Barrier for Fuel Tube vs PA12

Connector



- **Summary**
 - Current Material : PBT
 - Product : M330A
 - Current State : Commercialized
- **Voice Of Customer**
 - High Impact Strength
 - Dimensional Stability
- **Value In Use**
 - Better Impact Resistance at low temperature(-30°C)
 - Better Processability for Thinwall
 - Weight Reduction

VESS (Virtual Engine Sound System) Housing



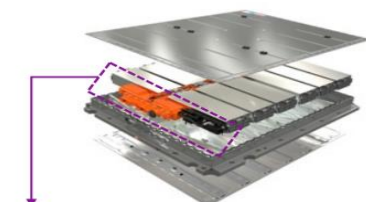
- **Summary**
 - Current Material : PBT+GF30
 - Product : M33AX0A-BK0
 - Current State : Commercialized (SOP : Nov. 2019)
- **Voice Of Customer**
 - High heat resistance and Low modulus
 - Weight Reduction
- **Value In Use**
 - Good sound quality at low and high temperature
 - High Impact Strength and Resilience

High Voltage Battery Plugboard

PK has a high relative tracking index (CTI), 600 degrees or higher, and high insulation, which has excellent dimensional stability and electrical properties.

Mechanical Properties & Flame retardant, non-halogen

Test Unit	Density (g/cm ³)	Moisture Content (%)	Tensile strength (MPa)	Elongation @break	C.Notched impact (KJ/m ²)	UL rate
ISO	1.46±0.3	0.3±0.1	≥ 110	≥ 4.0	≥ 10	0.8T V-0

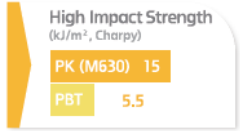
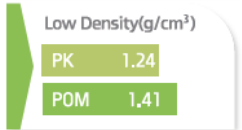
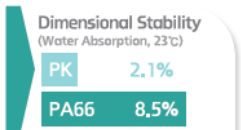
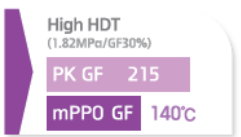
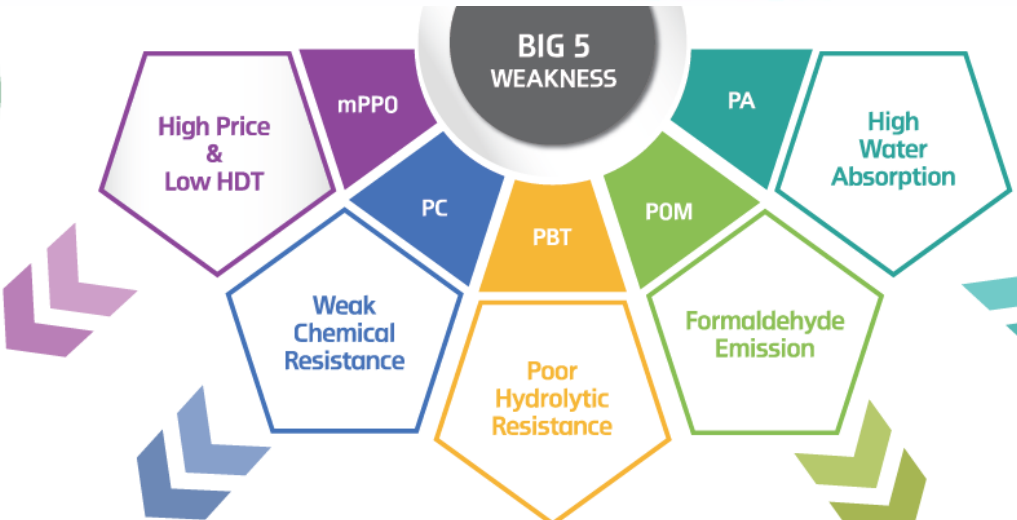
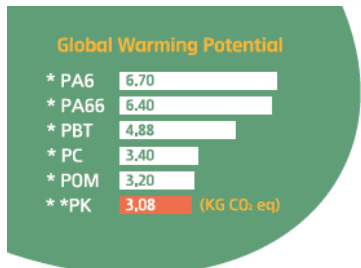


Product Function



- > 400 V
- > 82kWh
- > 12 modules
- > Performance: 220kW
- > Charging power: 125kW





Water Meter

Robot Vacuum Gear



Water Purifier Tank



Pump Housing



Electric Meter



Food Conveyor belt



Connector

Gear

Non Toxic High Efficiency

EARTH FRIENDLY

- Formaldehyde Free
- Phthalate Free
- Bisphenol A Free
- Acrylate Free
- Melamine Free
- Lead/Chrome Free

HYOSUNG Poketone
 ► Contact: poketone@hyosung.com