

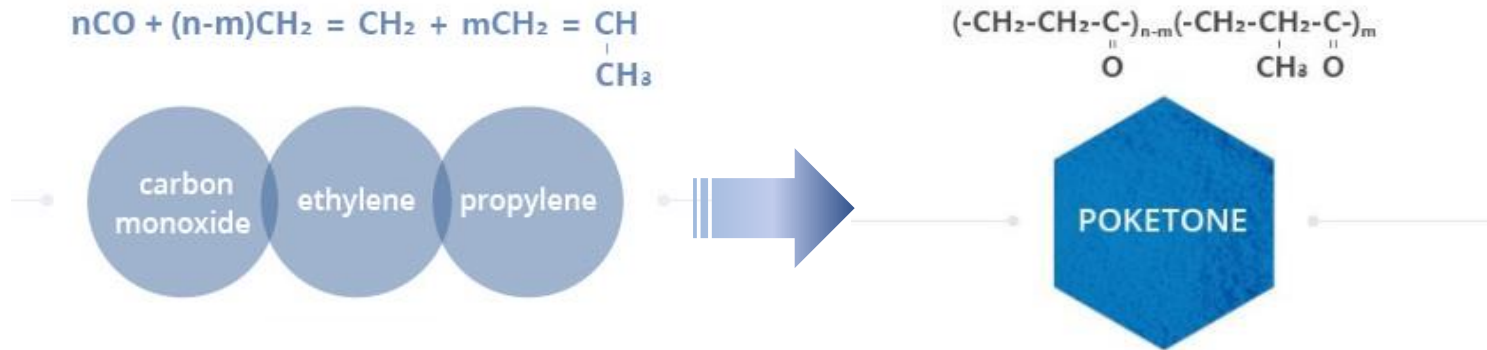
Automotive – EV

Global Warming Potential

* PA6	6.70	
* PA66	6.40	
* PC	3.40	
* POM	3.20	
* ABS	3.10	
** 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