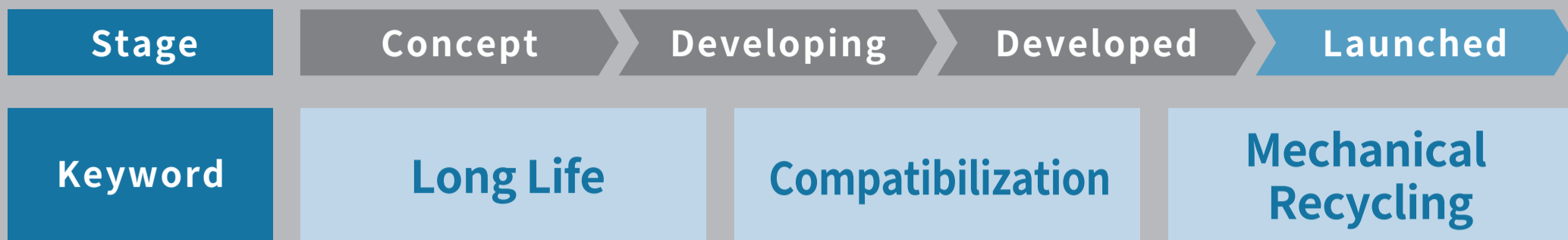




# Polyethylene for Enhancing Engineering Plastics



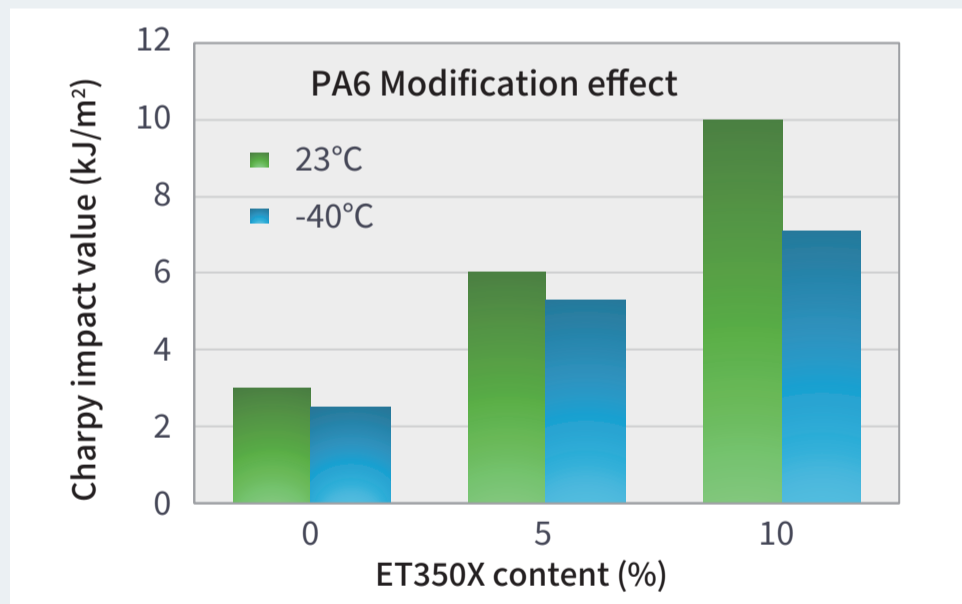
**Use** Car parts / Electronic components

**Background**

- Excellent effect of enhancing engineering plastics such as PA and PBT
- Especially, REXPEARL™ ET has high modification effects on different materials containing -OH and -NH<sub>2</sub> groups.

## Effect of impact resistance improvement

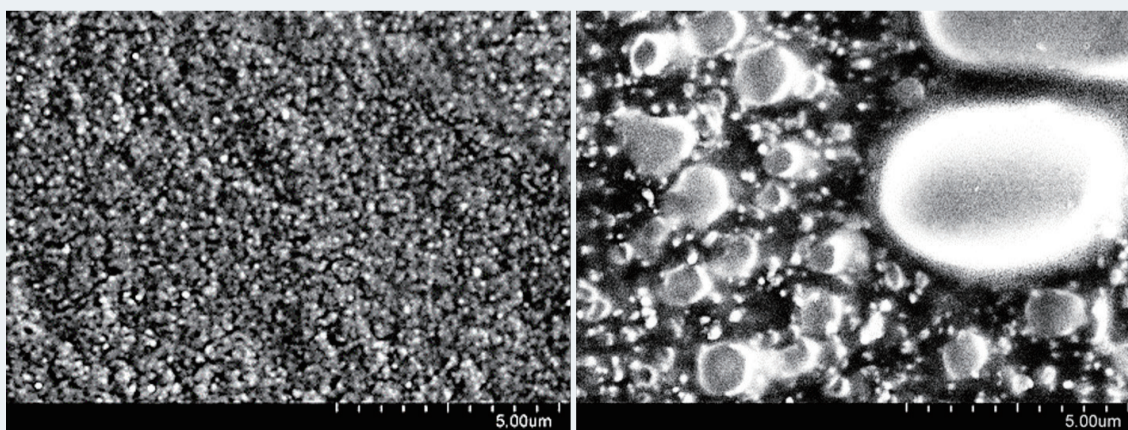
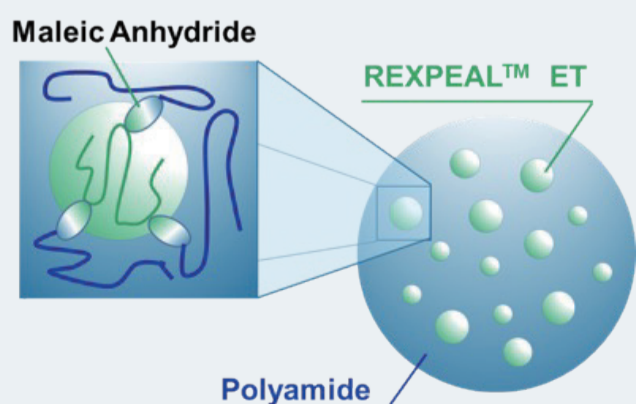
- High modification efficiency with a small content of REXPEARL™ ET 350X
- Reflects the excellent low-temperature properties of PE, providing superior impact modification even at low temperatures



## Morphology

- REXPEARL™ ET contains highly reactive maleic anhydride (MAH), enabling fine dispersion within matrices possessing polar groups.

Example of dispersion in PA



REXPEARL™ ET (with MAH)

REXPEARL™ EMA (without MAH)

Contact | Japan Polyethylene Corporation

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