



Moplen EP549N

A benchmark resin for battery applications

Moplen EP549N is a medium flow, PP HECO which has been optimized to provide benefits over previous grades for the manufacture of battery cases.

Moplen EP549N has been specifically developed to optimize the injection moulded processing and economics of battery cases. The structure of **Moplen EP549N** has been designed to expand end-use product properties to deliver improved function and performance in this competitive market sector.

KEY FEATURES

Economics

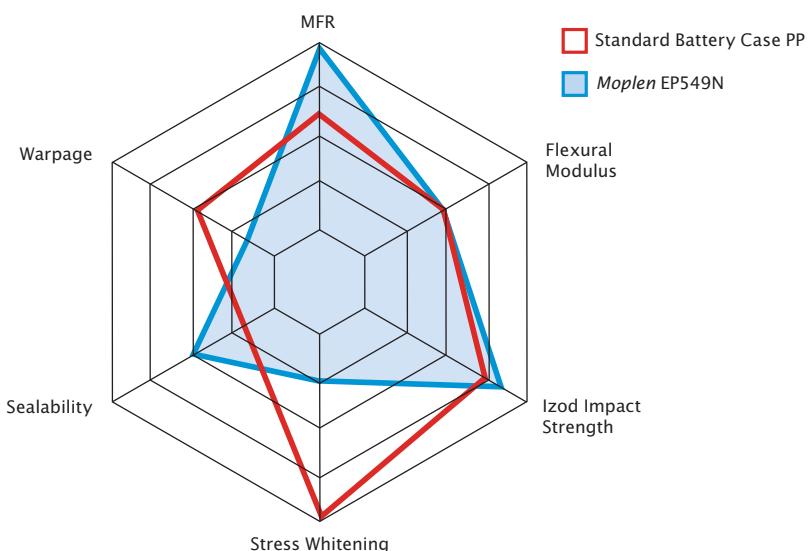
The significantly improved processability of **Moplen EP549N** has advanced the existing benchmark for impact copolymers in the battery case market allowing fast cycle times and reduced energy consumption.

High stiffness/impact resistance balance

Through its structural design, **Moplen EP549N** offers a good balance of high stiffness and impact resistance properties equivalent to lower flow benchmark copolymers.

Good dimensional stability

Moplen EP549N was designed to optimize isotropic shrinkage and flow behaviour for low stress generation during injection moulding. Battery cases using EP549N offer superior dimensional stability and low warpage for improved assembly and aesthetics.



PROPERTIES

- Good stiffness/impact balance
- Superior dimensional stability/low warpage
- Excellent UV stability
- Wide processing window range and high productivity
- Low stress whitening
- Good sealability

TYPICAL APPLICATIONS

- Automotive and motorcycle battery cases and components
- Industrial containers

FOR MORE INFORMATION

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