

Moplen EP548U

Setting a new industry standard for TWIM containers



The *Moplen* EP548U grade is setting a new industry standard for the production of TWIM containers, particularly due to very good impact/rigidity balance and easy demolding. The grade meets food contact requirements.

Impact and rigidity

Moplen EP548U's impact resistance and rigidity balance surpasses that of conventional products. With a 70 MFR, the resin offers similar mechanical performance achieved by a 45 MFR industry standard. Impact resistance is essential for containers that must withstand the difficulties of transport and the low-temperature conditions of refrigeration.

Easy processing

The combination of high flowability and tailor-made demolding performance allows for easy processing on high-speed injection machines.

The high fluidity of *Moplen* EP548U facilitates wall thickness reduction, and the controlled rheology contributes to good dimensional stability of the final articles.

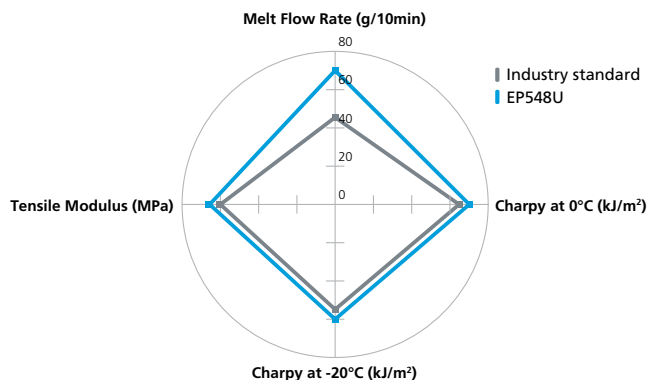
Wide range of applications

Moplen EP548U can be considered for use in applications such as IML thin wall packaging, margarine tubs, dairy products, containers for food and non-food applications, lids for food and non-food applications, and housewares.

Typical Properties

| | Industry Standard | <i>Moplen</i> EP548U |
|---|-------------------|----------------------|
| Melt flow rate (MFR) (230°C/2.16kg), g/10 min | 45 | 70 |
| Tensile Modulus, MPa | 1500 | 1550 |
| Charpy Notched at 23°C, kJ/m ² | 5.0 | 5.0 |
| Charpy Notched at 0°C, kJ/m ² | 3.2 | 3.5 |
| Charpy Notched at -20°C, kJ/m ² | 2.8 | 3.0 |

Moplen EP548U – improved flow, improved properties



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