

Jampilen EPX-548T

Heterophasic copolymer

Description:

"Jampilen EPX-548T" is a high melt flow rate, nucleated heterophasic copolymer with a special antistatic addition used for thin-wall injection molding, IML and houseware applications. The product features improved balance of mechanical properties. The use of "Jampilen EPX-548T" allows high productivity due to the easy mold filling and short cycle times.

In comparison with conventional copolymers with the same MFR and the same toughness, "Jampilen EPX-548T" exhibits 15% higher rigidity.

"Jampilen EPX-548T" is suitable for food contact.

Processing Method:

Injection molding

Features:

High fluidity
Easy mold filling and short cycle times
Desirable impact/ stiffness balance
Good dimensional stability
Unspecified antistatic properties
Heterophasic copolymer

Typical Applications:

TWIM/IML food containers (Margarine tubs, yoghurt pots, pots for soft cheese, pudding, etc.)
Housewares
Caps and closures
Flower pots and cool boxes
Sports, leisure and toys

Approval:

Food

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|--|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 50 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Flexural Modulus | 1450 | MPa | ASTM D790 |
| Tensile Strength at Yield | 26 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 5 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 65 | J/m | ASTM D256 |
| Izod Impact Strength (notched) at -20 °C | 40 | J/m | ASTM D256 |
| Thermal | | | |
| Vicat softening point (10N) | 155 | °C | ASTM D1525 |
| H.D.T. (0.46 MPa) | 105 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 360 | hours | ASTM D3012 |