

Jampilen EP332L

Heterophasic copolymer

Description:

"Jampilen EP332L" is a heterophasic polypropylene copolymer with a highly effective heat stabilization package designed for injection molded battery cases and technical items. The product offers an excellent balance of mechanical properties and processability and features an excellent long-term heat-stability. Articles molded with "Jampilen EP332L" offer a good balance of stiffness and toughness, good surface properties and a very high resistance to chemicals and crazing.

"Jampilen EP332L" is largely used for automotive components. Battery cases, cooling water compensation reservoirs, brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels are typical applications.

In the electro-technical industries, "Jampilen EP332L" is used for appliances, cables and wires (e.g. as slotted core element in fibre optic cables).

"Jampilen EP332L" is suitable for food contact.

Processing Method:

Injection molding

Features:

Medium flow
Excellent balance of stiffness/impact strength
Excellent long-term heat-stability
Good heat aging
Low warpage
Heterophasic copolymer

Typical Applications:

Battery cases, cooling water compensation reservoirs
Brake fluid reservoirs, wash water reservoirs, dashboard supports, luggage compartment trims and door trim panels
Appliances, cables and wires

Approval:

Food

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|--|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 7.0 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Flexural Modulus | 1200 | MPa | ASTM D790 |
| Tensile Strength at Yield | 27 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 9 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 100 | J/m | ASTM D256 |
| Izod Impact Strength (notched) at -20 °C | 40 | J/m | ASTM D256 |
| Rockwell Hardness | 93 | R Scale | ASTM D785 |
| Thermal | | | |
| Vicat softening point (10N) | 150 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 88 | °C | ASTM D648 |
| Accelerated oven ageing in air at 150 °C | 1800 | hours | ASTM D3012 |