

LOTTE CHEMICAL

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KOPELEN JM-390

PP BLOCK COPOLYMER

General Information

Description

JM-390 is high impact block copolymer which has high ethylene-propylene rubber content. This grade is designed to be processed in huge Injection molding equipments by improvement in mold release and anti-static. JM-390 shows high melt flow and has good balance of strength, impact resistance.

Applications

- ◆ General household goods, thin-wall parts
- ◆ Home appliances etc.

Physical Properties¹

| Physical | Test Method | Nominal Values | | | |
|---|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index | ASTM D1238 | 80 | g/10min | | |
| Density | ASTM D792 | 0.90 | g/cm ³ | | |
| Mechanical | | | | | |
| Tensile Stress (Yield) | ASTM D638 | 240 | kgf/cm ² | 23 | MPa |
| Tensile Strain (Break) | ASTM D638 | <100 | % | <100 | % |
| Flexural Modulus | ASTM D790 | 15,500 | kgf/cm ² | 1,520 | MPa |
| Impact | | | | | |
| Notched Izod Impact Strength (23 °C) | ASTM D256 | 5.0 | kgf-cm/cm | 49 | J/m |
| Notched Izod Impact Strength (-10 °C) | ASTM D256 | 2.5 | kgf-cm/cm | 25 | J/m |
| Thermal | | | | | |
| Heat Deflection Temperature (4.6kgf/cm ²) | ASTM D648 | 125 | °C | | |
| Additional Properties | | | | | |
| Flammability | UL94 | HB | | | |

NOTE

ISO 9001, 14001, ITS 16949

¹ Physical Properties : these are not to be construed as specifications

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