

## KOPELEN J-350

## PP BLOCK COPOLYMER

### General Information

#### Description

J-350 is impact block copolymer with ethylene content as co-monomer. This grade is designed to be processed in conventional Injection molding equipment. J-350 shows good impact resistance at low temperature and has also high strength. It has broad range of property, and is used from industrial supplies to automotive compound base resin.

#### Applications

- ◆ General supplies & Industrial supplies
- ◆ Automotive compound base resin

### Physical Properties<sup>1</sup>

| Physical  | Test Method | Nominal Values |                     |       |     |
|---|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index                                       | ASTM D1238  | 10             | g/10min             |       |     |
| Density   | ASTM D792   | 0.90           | g/cm <sup>3</sup>   |       |     |
| <b>Mechanical</b>                                     |             |                |                     |       |     |
| Tensile Stress (Yield)                                | ASTM D638   | 270            | kgf/cm <sup>2</sup> | 26    | MPa |
| Tensile Strain (Break)                                | ASTM D638   | >100           | %                   | >100  | %   |
| Flexural Modulus                                      | ASTM D790   | 13,000         | kgf/cm <sup>2</sup> | 1,280 | MPa |
| <b>Impact</b>   |             |                |                     |       |     |
| Notched Izod Impact Strength (23 °C)                  | ASTM D256   | 7.0            | kgf-cm/cm           | 69    | J/m |
| Notched Izod Impact Strength (-10 °C)                 | ASTM D256   | 3.0            | kgf-cm/cm           | 29    | J/m |
| <b>Thermal</b>  |             |                |                     |       |     |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ASTM D648   | 105            | °C                  |       |     |
| <b>Additional Properties</b>                          |             |                |                     |       |     |
| Flammability  | UL94        | HB             |                     |       |     |

### NOTE

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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### Physical Properties<sup>1</sup>

| Physical  | Test Method | Nominal Values |                     |       |     |
|---|-------------|----------------|---------------------|-------|-----|
| Melt Flow Index                                       | ISO 1133    | 10             | g/10min             |       |     |
| Density   | ISO 1183    | 0.90           | g/cm <sup>3</sup>   |       |     |
| <b>Mechanical</b>                                     |             |                |                     |       |     |
| Tensile Stress (Yield)                                | ISO 527-1   | 260            | kgf/cm <sup>2</sup> | 25    | MPa |
| Tensile Strain (Break)                                | ISO 527-1   | >100           | %                   | >100  | %   |
| Flexural Modulus                                      | ISO 178     | 11,000         | kgf/cm <sup>2</sup> | 1,080 | MPa |
| <b>Impact</b>   |             |                |                     |       |     |
| Notched Izod Impact Strength (23 °C)                  | ISO 180     | 6.5            | kgf-cm/cm           | 64    | J/m |
| Notched Izod Impact Strength (-10 °C)                 | ISO 180     | 2.5            | kgf-cm/cm           | 25    | J/m |
| <b>Thermal</b>  |             |                |                     |       |     |
| Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> ) | ISO 75-1    | 85             | °C                  |       |     |
| <b>Additional Properties</b>                          |             |                |                     |       |     |
| Flammability  | UL94        | HB             |                     |       |     |

### NOTE

ISO 9001, 14001, /TS 16949

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