

# IMPACT COPOLYMER

PP J740  
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## Impact Copolymer

| Typical Property            | Test Method | Unit               | Injection              |   |  |   |   |        |
|-----------------------------|-------------|--------------------|------------------------|---|--|---|---|--------|
|                             |             |                    | J340                   | J440                                    | J640                                       | J642                                    | J640A   | J740   |
| Melt Index                  | ASTM D1238  | g/10min.           | 1.7                    | 4                                       | 10   | 10                                      | 18  | 25     |
| Tensile Strength(at yield)  | ASTM D638   | kg/cm <sup>2</sup> | 270                    | 280                                     | 280  | 290                                     | 280   | 280    |
| Elongation(at break)        | ASTM D638   | %                  | 400                    | 400                                     | 400  | 250                                     | 400   | 400    |
| Flexural Modulus            | ASTM D790   | kg/cm <sup>2</sup> | 11,500                 | 12,000                                  | 12,000                                     | 14,500                                  | 12,500  | 13,000 |
| Izod Impact 23°C            | ASTM D256   | kg-cm/cm           | 15                     | 12                                      | 10   | 10                                      | 9.5   | 8      |
| Strength -10°C              |             |                    | 6.5                    | 5.5                                     | 5  | 5                                       | 4.5   | 4      |
| Rockwell Hardness           | ASTM D785   | R-scale            | 70                     | 75                                      | 80   | 85                                      | 80  | 80     |
| Vicat Softening Point       | ASTM D1525  | °C                 | 150                    | 150                                     | 150  | 150                                     | 150   | 150    |
| Heat Deflection Temperature | ASTM D648   | °C                 | 105                    | 105                                     | 105  | 120                                     | 105   | 110    |
| Applications                |             |                    | Crate, Container       | General purpose                         |  | Washing M/C parts                       | Large article   |        |
|                             |             |                    | Battery case           | Battery case                            | Electric appliance                         | Electric appliance                      | - Washing M/C parts<br>- Electric appliance<br>- Industrial appliance |        |
| Characteristics             |             |                    | High impact<br>UL 94HB | Medium impact<br>Flowability<br>UL 94HB | Medium impact<br>High stiffness<br>UL 94HB | Medium impact<br>Flowability<br>UL 94HB | Medium impact<br>Flowability<br>UL 94HB                               |        |

\*The data listed here is typical value not for the specification warranty.