

HIGH IMPACT PP

BH3500

Description

YUPLENE BH3500 is an ultra high impact propylene copolymer designed for injection molding applications. YUPLENE BH3500 has excellent properties in impact strength as well as stiffness, mechanical properties and good dimensional stability, which make YUPLENE BH3500 suitable for toys, electric appliances, home appliances and various containers.

Application

Injection Molding / toys, electric appliances, home appliances and various containers

Physical Properties

| Term/Item | Value | Unit | Test Method |
|---|------------|--------------------|-------------|
| Melt Index | 10.0 | g/10min | ASTM D1238 |
| Softening Point(Vicat) | 150 | °C | ASTM D1525 |
| Tensile Strength at Yield | 230 | kg/cm ² | ASTM D638 |
| Elongation at Break | <300 | % | ASTM D638 |
| IZOD Impact Strength(Notched, -20°C) | 9 | kg-cm/cm | ASTM D256 |
| IZOD Impact Strength(Notched, 23°C) | >50 (N.B.) | kg-cm/cm | ASTM D256 |
| Spiral Flow | >700 | mm | SK Method |
| Flexural Modulus | 12000 | kg/cm ² | ASTM D790 |
| Hardness(Rockwell) | 80 | R Scale | ASTM D785 |
| Heat Distortion Temperature | 110 | °C | ASTM D648 |
| Accelerated Oven Aging(in Air at 150°C) | 360 | hr | ASTM D3012 |

These results could be used only for reference.

Head Office

99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001

ISO 9001 Certified

SK Institute of
Technology

140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea
Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online

SK Energy : www.skenergy.com
Chemical Business : www.skchem.com

