



Data Sheet  
Date Prepared:

## HSPP BH3820

YUPLENE BH3820 is an ultra high impact propylene copolymer designed for injection molding and compounding applications. YUPLENE BH3820 has excellent properties in impact strength as well as stiffness, flow, mechanical properties and heat resistance, which make YUPLENE BH3820 suitable for auto parts, electric appliances, large size containers, thin wall and very high speed injection applications.

### Application

Injection / Automobile applications, Home appliances, Industrial parts for electronic

### Characteristics

Very high Impact Strength

### Physical Properties

|                                         | Value   | Unit               | Test Method |
|-----------------------------------------|---------|--------------------|-------------|
| Melt Index                              | 28      | g/10min            | ASTM D1238  |
| IZOD Impact Strength(Notched, 23°C)     | >50(NB) | kg-cm/cm           | ASTM D256   |
| IZOD Impact Strength(Notched, -20°C)    | 7       | kg-cm/cm           | ASTM D256   |
| Softening Point(Vicat)                  | 150     | °C                 | ASTM D1525  |
| Tensile Strength at Yield               | 210     | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Break                     | <300    | %                  | ASTM D638   |
| Flexural Modulus                        | 10000   | kg/cm <sup>2</sup> | ASTM D790   |
| Heat Distortion Temperature             | 110     | °C                 | ASTM D648   |
| Accelerated Oven Aging(in Air at 150°C) | 360     | hr                 | ASTM D3012  |
| Hardness(Rockwell)                      | 72      | R Scale            | ASTM D785   |
| Spiral Flow                             | >800    | mm                 | SK Method   |

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

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

Online [www.skglobalchemical.com](http://www.skglobalchemical.com)  
[www.skchem.com](http://www.skchem.com)

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