

Hanwha Total PP BJ501X

Polypropylene Impact Copolymer
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

BJ501X is a high impact block copolymer which has high ethylene-propylene rubber content. Due to optimum rubber design, BJ501X has an excellent property balance between high stiffness and impact strength. BJ501X is a User Grade for automobile battery case and cover.

| General Information | | | |
|--|---------------------------|-------------------|-------------|
| Features | Block Copolymer | | |
| | Rigidity, high | | |
| | Impact resistance, high | | |
| | Workability, good | | |
| | Good heat sealability | | |
| Uses | Battery box | | |
| | Electrical appliances | | |
| | Car interior parts | | |
| | Automotive exterior parts | | |
| | Container | | |
| | Toys | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.910 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 85 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 29.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 150 | % | ASTM D638 |
| Flexural Modulus | 1320 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 49 | J/m | ASTM D256 |
| 0°C | 59 | J/m | ASTM D256 |
| 20°C | 98 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 110 | °C | ASTM D648 |

| Optical | Nominal Value | Test Method |
|---------|---------------|-------------|
| Gloss | 75 | ASTM D2457 |

| Injection | Nominal Value | Unit |
|--------------------|---------------|------|
| Rear Temperature | 170 - 200 | °C |
| Middle Temperature | 180 - 210 | °C |
| Front Temperature | 200 - 230 | °C |
| Mold Temperature | 30.0 - 50.0 | °C |
| Injection Pressure | 78.5 - 118 | MPa |
| Holding Pressure | 58.8 - 98.1 | MPa |

| |
|------------------------|
| Injection instructions |
|------------------------|

Cooling Time: 25 to 40 sec

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

