

YUPLENE® B310F

Polypropylene Impact Copolymer

SK Global Chemical

Message:

YUPLENE B310F is a propylene impact copolymer designed for injection molding applications. YUPLENE B310F has excellent toughness, good dimensional stability and has been listed by Underwriters Laboratories (UL). YUPLENE B310F is suitable for household articles, chairs, containers and automobile parts.

YUPLENE B310F complies with FDA regulation 21 CFR177.1520.

| General Information | | | |
|---|------------------------------------|----------|-----------------|
| UL YellowCard | E135809-222656 | | |
| Features | Good Dimensional Stability | | |
| | Good Toughness | | |
| | High Impact Resistance | | |
| | Impact Copolymer | | |
| Uses | Appliances | | |
| | Automotive Applications | | |
| | Battery Cases | | |
| | Containers | | |
| | Electrical/Electronic Applications | | |
| | Industrial Applications | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.5 | g/10 min | ASTM D1238 |
| Spiral Flow | 45.0 | cm | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 85 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 26.5 | MPa | ASTM D638 |
| Tensile Elongation (Break) | > 500 | % | ASTM D638 |
| Flexural Modulus | 1180 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 78 | J/m | |
| 23°C | 250 | J/m | |
| Aging | Nominal Value | Unit | Test Method |
| Accelerated Oven Aging - in Air (150°C) | 15.0 | day | ASTM D3012 |

| | | | |
|--------------------------------|---------------|------|-------------|
| Heat Deflection Temperature | 110 | °C | ASTM D648 |
| DuPont Impact Strength (-10°C) | > 3.92 | J | ASTM D2794 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 150 | °C | ASTM D1525 |

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