

POLYPRO® CB5230

Polypropylene Copolymer

YUHWHA Korea Petrochemical Ind. Co., Ltd.

Message:

POLYPRO® CB5230 is a Polypropylene Copolymer (PP Copolymer) material. It is available in Asia Pacific for injection molding.

Important attributes of POLYPRO® CB5230 are:

Flame Rated

RoHS Compliant

Copolymer

Heat Resistant

High Flow

Typical applications include:

Appliances

Automotive

Food Contact Applications

Housings

| General Information | | | |
|---|--------------------------------------|-------------------|-----------------|
| Features | Block Copolymer | | |
| | Good Impact Resistance | | |
| | High Flow | | |
| | High Gloss | | |
| | High Heat Resistance | | |
| | High Stiffness | | |
| | Scratch Resistant | | |
| Uses | Appliances | | |
| | Automotive Applications | | |
| | Electrical Housing | | |
| Agency Ratings | FDA Food Contact, Unspecified Rating | | |
| RoHS Compliance | RoHS Compliant | | |
| Forms | Pellets | | |
| 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) | 30 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 1.4 to 1.8 | % | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 102 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 32.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | > 200 | % | ASTM D638 |

| | | | |
|---|---------------|------|-------------|
| Flexural Modulus | 1770 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -20°C | 25 | J/m | |
| 25°C | 69 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 135 | °C | ASTM D648 |
| Vicat Softening Temperature | 153 | °C | ASTM D1525 |
| Peak Melting Temperature | 169 | °C | ASTM D3418 |
| Flammability | Nominal Value | | Test Method |
| Flame Rating (All Colors) | HB | | UL 94 |

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