

YUNGSOX® PP 3080

Polypropylene Impact Copolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 3080 is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 3080 are:

Flame Rated

Copolymer

Impact Resistant

Typical applications include:

Appliances

Automotive

Food Contact Applications

Furniture

Housings

| General Information | | | |
|---|--------------------------|-------------------|-----------------|
| UL YellowCard | E216959-229355 | | |
| Features | Impact Copolymer | | |
| | Medium Impact Resistance | | |
| Uses | Appliances | | |
| | Automotive Applications | | |
| | Battery Cases | | |
| | Furniture | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| UL File Number | E216959 | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.5 | g/10 min | ISO 1133 |
| Molding Shrinkage | 1.3 to 1.7 | % | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 100 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 27.5 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 500 | % | ISO 527-2 |
| Flexural Modulus | 981 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ISO 180 |
| -20°C | 44 | J/m | |
| 23°C | 98 | J/m | |

| Thermal | Nominal Value | Unit | Test Method |
|---|---------------|-------------|-------------|
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 105 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 140 | °C | ISO 306 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | HB | UL 94 | |

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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

