

POLIMAXX 2511HXGA5

Polypropylene Impact Copolymer

IRPC Public Company Limited

Message:

2511HXGA5 is a PP Block co-polymer with 25% Glass fiber filler for extrusion process, features low melt flow, high flexural modulus and high heat resistance. It is suitable for auto parts and electrical appliances.

| General Information | | | |
|--|------------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,25% Filler by Weight | | |
| Features | Block Copolymer | | |
| | High Heat Resistance | | |
| | High Stiffness | | |
| | Low Flow | | |
| Uses | Appliance Components | | |
| | Automotive Applications | | |
| | Electrical/Electronic Applications | | |
| RoHS Compliance | RoHS Compliant | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.07 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.1 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale, 23°C) | 96 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 63.3 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 7.0 | % | ASTM D638 |
| Flexural Modulus (23°C) | 4810 | MPa | ASTM D790 |
| Flexural Strength (Yield, 23°C) | 72.6 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (Area) (23°C) | 20.1 | kJ/m ² | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 159 | °C | ASTM D648 |
| Extrusion | Nominal Value | Unit | |
| Drying Temperature | 80.0 to 85.0 | °C | |
| Drying Time | 2.0 to 3.0 | hr | |
| Melt Temperature | 190 to 240 | °C | |

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