



Technical Datasheet

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|--------------------------|---|--|--------------------|
| Material Type | HBK | Grade Name | HBK9103 G30 |
| Features | <ul style="list-style-type: none"> • Good mechanical properties • Good dimensional stability • High strength | | |
| Material Standard | | | |
| Availability | | Asian Pacific | |
| Process Method | | Injection Molding | |
| Appearance | / | Natural/Black | |
| Applications | | Automobile Electrical/Electronic Applications | |

General Properties

| No | Properties | Method | Units | Values | Test Conditions |
|----|------------------------------|-----------|-------------------|--------|-----------------|
| 1 | Density | ISO1183 1 | g/cm ³ | 1.51 | 23 |
| 2 | Tensile Strength at Max Load | ISO527 2 | N/a | 180 | 50mm/min |
| 3 | Tensile Modulus | ISO527 2 | N/a | 1900 | 1mm/min |
| 4 | Elongation at Break | ISO527 2 | % | 2.7 | 50mm/min |
| 5 | Flexural Strength | ISO178 | N/a | 20 | 2mm/min |
| 6 | Flexural Modulus | ISO178 | N/a | 1150 | 2mm/min |
| 7 | Notched Impact Strength | ISO179 1 | kJ/m ² | 10 | 23 |
| 8 | Impact Strength | ISO179 1 | kJ/m ² | 55 | 23 |
| 9 | Heat Deflection Temp | ISO75 2 | | 328 | 1.8N/a |
| 10 | Flammability | UL 94 | Class | V0 | 1.6mm |

Processing conditions

| | |
|------------------------|--|
| Drying Cond | 130 °C 36 h |
| Mixture Control | 0.05% |
| Injection Temp | 300-355 (F), 355-365 (M), 350-370 (B) |
| Mold Temp | 180-200 |