

# Kumho EP HAC 8250NH

Polycarbonate + ABS

Korea Kumho Petrochemical Co., Ltd.

Message:

Features: Non-Halogen Flame Retardancy

Applications: Computer housing

| General Information                                     |                     |                   |             |
|---------------------------------------------------------|---------------------|-------------------|-------------|
| UL YellowCard                                           | E65424-247726       |                   |             |
| Features                                                | Flame Retardant     |                   |             |
| Uses                                                    | Computer Components |                   |             |
| RoHS Compliance                                         | RoHS Compliant      |                   |             |
| UL File Number                                          | E65424              |                   |             |
| Physical                                                | Nominal Value       | Unit              | Test Method |
| Specific Gravity                                        | 1.17                | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)               | 40                  | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                                | 0.40 to 0.60        | %                 | ASTM D955   |
| Water Absorption (Equilibrium)                          | 0.30                | %                 | ASTM D570   |
| Hardness                                                | Nominal Value       | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                             | 115                 |                   | ASTM D785   |
| Mechanical                                              | Nominal Value       | Unit              | Test Method |
| Tensile Strength (Yield)                                | 51.0                | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                              | 30                  | %                 | ASTM D638   |
| Flexural Modulus                                        | 2260                | MPa               | ASTM D790   |
| Flexural Strength (Yield)                               | 73.5                | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value       | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.20 mm)                     | 290                 | J/m               | ASTM D256   |
| Thermal                                                 | Nominal Value       | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 80.0                | °C                | ASTM D648   |
| Flammability                                            | Nominal Value       |                   | Test Method |
| Flame Rating                                            |                     |                   | UL 94       |
| 1.60 mm                                                 | V-0                 |                   |             |
| 3.20 mm                                                 | V-0                 |                   |             |

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