

MATERIAL DECLARATION SHEET



| | | | |
|-----------------|-----------------|-----|---|
| Material Number | PT61020EL | | |
| Product Line | LAN Transformer | | |
| Compliance Date | 2020-6-17 | | |
| RoHS Compliant | YES | MSL | 1 |

| No. | Construction Element(subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|-------------------------------|---|---------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1 | Core | MnZn ferrite core | 0.4313 | Iron(III) oxide | 1309-37-1 | 55 | 13.08 | 23.79 |
| | | | | Zinc oxide | 1314-13-2 | 25 | 5.95 | |
| | | | | Manganese(II) Oxide | 1344-43-0 | 20 | 4.76 | |
| | | NiZn ferrite core | 0.1332 | Iron(III) oxide | 1309-37-1 | 50 | 3.67 | 7.35 |
| | | | | Zinc oxide | 1314-13-2 | 15 | 1.10 | |
| | | | | Nickel(II) oxide | 1313-99-1 | 35 | 2.57 | |
| 2 | Wire | Enamelled Copper Wire | 0.0914 | Copper | 7440-50-8 | 87.5 | 4.41 | 5.04 |
| | | | | Polyurethane resin | 9009-54-5 | 11.9 | 0.60 | |
| | | | | polyamide resin | 32131-17-2 | 0.6 | 0.03 | |
| 3 | Case | DiallylPhthalate (DAP) Molding Compound | 0.78 | DAP resin | 25035-78-3 | 25 | 10.76 | 43.02 |
| | | | | Aluminum Trihydroxide | 21645-51-2 | 45 | 19.36 | |
| | | | | Glass Fiber | 65997-17-3 | 30 | 12.91 | |
| 4 | Terminal PIN | Phosphor Bronze Alloys | 0.056 | Copper | 7440-50-8 | 91.54 | 2.83 | 3.09 |
| | | | | Zinc | 7440-66-6 | 0.2 | 0.01 | |
| | | | | Phosphorus | 7723-14-0 | 0.16 | 0.00 | |
| | | | | Iron | 8053-60-9 | 0.1 | 0.00 | |
| | | | | Tin | 7440-31-5 | 8 | 0.25 | |
| 5 | Varnish | Varnish | 0.22 | Resin | 63148-69-6 | 90 | 11.04 | 12.14 |
| | | | | Auxiliaries | 9003-08-1 | 10 | 1.10 | |
| 8 | Pin Solder | Sn100 | 0.021 | Tin | 7440-31-5 | 100 | 1.16 | 1.16 |
| 9 | Inner Pin Solder | Sn96/Cu4 | 0.08 | Tin | 7440-31-5 | 96 | 4.24 | 4.41 |
| | | | | Copper | 7440-50-8 | 4 | 0.18 | |
| Total weight | | | 1.8129 | | | | | |

This Document was updated on: 2023-8-17