# ABS
0211

ECO YADI-2

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|---|---|---|
| Company | ECOYADI-2 | |
| Material | ABS | |
| Color | Natural | |
| Material Shape | Pellets | |
| Process | Injection molding | |
| FR | HB | |
| Features | • High Gloss • High Impact | |
| Application | • E & E Applications • Home Appliances Applications • General purpose | |

| Material Specific Properties | Executive Standard | Value | Unit |
|---|---|---|---|
| Density 23℃ | ISO 1183 | 1.035 | g/cm³ |
| Shrinkage | GB/T 17037 | 0.4-0.7 | % |
| **Hardness** | **Executive Standard** | **Value** | **Unit** |
| Rockwell Hardness R(Scale) | GB/T 3398 | 109 | |
| **Mechanical Properties** | **Executive Standard** | **Value** | **Unit** |
| Tensile Strength 50mm/min | GB/T 1040 | 43 | Mpa |
| Flexural Strength 2.0mm/min | GB/T 9341 | 68 | Mpa |
| Flexural Modulus 2.0mm/min | GB/T 9341 | 2.4 | GPa |
| Izod Notch Impact 23℃ | ISO 180 | 23 | kJ/m² |
| **Thermal properties** | **Executive Standard** | **Value** | **Unit** |
| Melt Flow Index 220℃ 10kg | ISO 1133 | 20 | g/10min |
| HDT Unannealed 1.8MPa | GB/T 1634 | 83 | ℃ |
| Vicat Softening Temperature 50° C/hr 50N | GB/T 1633 | 95 | ℃ |
| **Flammability properties** | **Executive Standard** | **Value** | **Unit** |
| Flame Rating 1.5mm | UL94 | HB | |
| **Injection molding** | | **Value** | **Unit** |
| Dry Temperature | | 75-85 | ℃ |
| Dry Time | | 2-4 | hr |
| Melt Temperature | | 180-220 | ℃ |
| Mould Temperature | | 40-70 | ℃ |