

'TORAY'

# TORAY PLASTICS (MALAYSIA) SDN BERHAD (46619-P)

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**Table 1: "TOYOLAC" 912 X01 Physical Properties Data (Japan Origin)**

| Physical Properties               | Test Method           | Test Condition       | Unit              | TOYOLAC 912 X01 (Translucent) |
|-----------------------------------|-----------------------|----------------------|-------------------|-------------------------------|
| Tensile Strength                  | ISO-527               | 23°C                 | MPa               | 56                            |
| Tensile Elongation at Break       |                       | 23°C                 | %                 | 12                            |
| Flexural Strength                 | ISO-178               | 23°C                 | MPa               | 83                            |
| Flexural Modulus                  |                       | 23°C                 | MPa               | 2,430                         |
| Charpy Impact Strength            | ISO-179/1eA           | 23°C<br>Notched      | kJ/m <sup>2</sup> | 6                             |
| Distortion Temperature Under Load | ISO-75                | 4mmt,<br>1.8MPa Load | °C                | 78                            |
| Melt Flow Rate                    | ISO-1133              | 220°C/98N            | g/10min           | 30                            |
| Light Transmission                | Toray Method          | 2mmt                 | %                 | 77                            |
| Haze                              |                       | 2mmt                 | %                 | 14                            |
| Pencil Hardness                   | JIS K5400             | 1kgf                 | -                 | H                             |
| Density                           | ISO-1183              | 23°C/<br>50%RH       | kg/m <sup>3</sup> | 1,100                         |
| Flammability                      | UL 94: File No.E41797 |                      |                   | HB                            |

*Note; These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.*