

## BS-50 10415

| Property                              | Unit                    | Value        |
|---------------------------------------|-------------------------|--------------|
| <b>MFI</b>                            | <b>g/10min</b>          | <b>35</b>    |
| <b>Density</b>                        | <b>g/ml</b>             | <b>1.04</b>  |
| <b>Vicat softening temperature</b>    | <b>°C</b>               | <b>95</b>    |
| <b>Heat Deflection temperature</b>    | <b>°C</b>               | <b>85</b>    |
| <b>Izod impact strength (notched)</b> | <b>J/m</b>              | <b>184</b>   |
| <b>(Izod impact strength(notched</b>  | <b>kJ/m<sup>2</sup></b> | <b>23</b>    |
| <b>Flexural modulus-MD</b>            | <b>MPa</b>              | <b>22000</b> |
| <b>Flexural strength</b>              | <b>MPa</b>              | <b>650</b>   |
| <b>Tensile elongation</b>             | <b>%</b>                | <b>20</b>    |
| <b>Tensile strength</b>               | <b>MPa</b>              | <b>455</b>   |
| <b>Rockwell Hardness</b>              | <b>R-Scale</b>          | <b>109</b>   |

1) roduct Description: Acrylonitrile butadiene styrene or ABS is an amorphous structure thermoplastic made from the polymerization of styrene and acrylonitrile in the presence of polybutadiene, which will have different properties depending on the percentage of each monomer.

2) Applications: Electronic and Electrical parts, vacuum cleaner, washing machine cover and

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Refrigerator door cap & etc.

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