

## Flame Retardant ABS POLYLAC® PA-765A

Product Description: F.R. High flow

| Properties                              | ISO Test Method | Test Condition     | Unit              | PA-765A  |
|---|-----------------|--------------------|-------------------|--|
| Melt Flow Index                         | 1133            | 220°C×10KG         | ml/10 min         | 46   |
| Mass Density                            | 1183            | 23 °C              | g/cm <sup>3</sup> | 1.17   |
| Tensile Strength                        | 527             | 50 mm/min, yield   | MPa               | 38   |
|   |                 | 50 mm/min, break   | MPa               | 29   |
| Tensile Elongation                      | 527             | 50 mm/min          | %                 | 10   |
| Flexural Strength                       | 178             | 2 mm/min           | MPa               | 56   |
| Flexural Modulus                        |                 | 2 mm/min           | GPa               | 1.8  |
| Izod Impact Strength                    | 180/1A          | 23 °C Notched      | KJ/m <sup>2</sup> | 23   |
|   |                 | -30 °C Notched     | KJ/m <sup>2</sup> | 10   |
| Charpy Impact Strength                  | 179             | 23 °C Notched      | KJ/m <sup>2</sup> | 24   |
|   |                 | -30 °C Notched     | KJ/m <sup>2</sup> | 10   |
| Vicat Softening Temp.                   | 306             | 1 Kg,50 °C/hr      | °C                | 93   |
|   |                 | 5 Kg,50 °C/hr      | °C                | 79   |
| Heat Distortion Temp.                   | 75/A            | 1.8 MPa Unannealed | °C                | 76   |
|   |                 | 1.8 MPa Annealed   | °C                | 84   |
| Coefficient of Linear Thermal Expansion | 11359           | -                  | -                 | 8.48 x 10 <sup>-5</sup>                          |
| Flammability                            | -               | UL-94              | -                 | 1.5mm V-1<br>2.1mm V-0<br>2.1mm 5VB<br>2.5mm 5VA |
| Mold Shrinkage                          | 294-4           | -                  | %                 | 0.3~0.6  |
| Symbol                                  | 1043            | -                  | -                 | >ABS-FR(17)<                                     |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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