**Extrusion ABS POLYLAC® Characteristics**  **PA-709P**

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| Melt Flow Index | D1238 | 200 °C, 5 Kg  
220 °C, 10 Kg | g/10 min | 0.5 |
| Mass Density | D792 | 23 °C | - | 1.04 |
| Hardness | D785 | - | R Scale | 100 |
| Tensile Strength (Yield) | D638 | 6 mm/min | Kg/cm² | 460  
lb/in² | 6530 |
| Tensile Elongation | D638 | 6 mm/min | % | 50 |
| Flexural Strength | D790 | 2.8 mm/min | Kg/cm² | 650  
lb/in² | 9200 |
| Flexural Modulus | D790 | 2.8 mm/min | 10¹ Kg/cm² | 2.1  
10² lb/in² | 3.0 |
| Izod Impact Strength | D256 (Notched) | 6.4 mm, 23°C | Kgm/cm  
ft-lb | 37.5  
6.8 |
| | | 3.2 mm, 23°C | Kgm/cm  
ft-lb | -  
- |
| Vicat Softening Temp. | D1525 | 1 Kg, 50 °C/hr | °C | 104  
°F | 219 |
| Heat Distortion Temp. | D648 | 1.8 MPa Annealed  
1.8 MPa Unannealed | °C | 98  
°F | 208  
88  
190 |
| UL Flammability | UL 94 | - | - | 1.5 mm HB |

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

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