

# TECHNO ABS 565L

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS 565L is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Heat Resistant

Low Gloss

Rigid

| General Information                       |                      |          |                      |
|-------------------------------------------|----------------------|----------|----------------------|
| Features                                  | High Heat Resistance |          |                      |
|                                           | High Rigidity        |          |                      |
|                                           | Low Gloss            |          |                      |
| Processing Method                         | Injection Molding    |          |                      |
| Physical                                  | Nominal Value        | Unit     | Test Method          |
| Density                                   | 1.05                 | g/cm³    | ISO 1183, ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 2.9                  | g/10 min | ISO 1133             |
| Molding Shrinkage                         | 0.40 to 0.60         | %        | ISO 294-4            |
| Mechanical                                | Nominal Value        | Unit     | Test Method          |
| Rockwell Hardness                         |                      |          |                      |
| R-Scale                                   | 108                  |          | ASTM D785            |
| R-Scale                                   | 107                  |          | ISO 2039-2           |
| Mechanical                                | Nominal Value        | Unit     | Test Method          |
| Tensile Strength                          |                      |          |                      |
| Yield                                     | 44.1                 | MPa      | ASTM D638            |
| Yield                                     | 42.0                 | MPa      | ISO 527-2            |
| Flexural Modulus                          |                      |          |                      |
| --                                        | 2550                 | MPa      | ASTM D790            |
| --                                        | 2120                 | MPa      | ISO 178              |
| Flexural Strength                         |                      |          |                      |
| --                                        | 74.5                 | MPa      | ASTM D790            |
| --                                        | 68.0                 | MPa      | ISO 178              |
| Impact                                    | Nominal Value        | Unit     | Test Method          |
| Charpy Notched Impact Strength            | 5.0                  | kJ/m²    | ISO 179              |
| Notched Izod Impact                       | 49                   | J/m      | ASTM D256            |
| Thermal                                   | Nominal Value        | Unit     | Test Method          |
| Deflection Temperature Under Load         |                      |          |                      |
| 0.45 MPa, Unannealed                      | 110                  | °C       | ASTM D648            |

| 0.45 MPa, Unannealed | 93.0          | °C   | ISO 75-2/B |
|----------------------|---------------|------|------------|
| Injection            | Nominal Value | Unit |            |
| Drying Temperature   | 100 to 110    | °C   |            |
| Drying Time          | 2.0 to 5.0    | hr   |            |
| Rear Temperature     | 220 to 270    | °C   |            |
| Middle Temperature   | 220 to 270    | °C   |            |
| Front Temperature    | 220 to 270    | °C   |            |
| Mold Temperature     | 40.0 to 80.0  | °C   |            |

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