



**CYCOLAC™ Resin INP576**  
**Europe-Africa-Middle East: COMMERCIAL**

Can be used as compounding additives for polymer blends. Medium molecular weight SAN. Can be blended with high rubber graft modifier resins to produce customized ABS properties. Suitable for direct weather exposure. Most versatile SAN for balance of processing and physical properties.

| TYPICAL PROPERTIES <sup>1</sup>              | TYPICAL VALUE | Unit                | Standard   |
|----------------------------------------------|---------------|---------------------|------------|
| <b>MECHANICAL</b>                            |               |                     |            |
| Tensile Stress, yld, Type I, 5 mm/min        | 420           | kgf/cm <sup>2</sup> | ASTM D 638 |
| Tensile Stress, brk, Type I, 5 mm/min        | 690           | kgf/cm <sup>2</sup> | ASTM D 638 |
| Tensile Strain, yld, Type I, 5 mm/min        | 1.4           | %                   | ASTM D 638 |
| Tensile Strain, brk, Type I, 5 mm/min        | 2.2           | %                   | ASTM D 638 |
| Tensile Modulus, 5 mm/min                    | 40500         | kgf/cm <sup>2</sup> | ASTM D 638 |
| Flexural Stress, yld, 1.3 mm/min, 50 mm span | 980           | kgf/cm <sup>2</sup> | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span     | 36400         | kgf/cm <sup>2</sup> | ASTM D 790 |
| Hardness, Rockwell R                         | 122           | -                   | ASTM D 785 |
| Flexural Stress, yield, 2 mm/min             | 68            | MPa                 | ISO 178    |
| Flexural Modulus, 2 mm/min                   | 3540          | MPa                 | ISO 178    |
| <b>IMPACT</b>                                |               |                     |            |
| Charpy Impact, unnotched, 23°C               | 1             | kJ/m <sup>2</sup>   | ISO 179/2C |
| Izod Impact, notched, 23°C                   | 2             | cm-kgf/cm           | ASTM D 256 |
| Izod Impact, notched, -30°C                  | 1             | cm-kgf/cm           | ASTM D 256 |
| Izod Impact, notched 80*10*4 +23°C           | 1             | kJ/m <sup>2</sup>   | ISO 180/1A |
| Izod Impact, notched 80*10*4 -30°C           | 1             | kJ/m <sup>2</sup>   | ISO 180/1A |
| <b>THERMAL</b>                               |               |                     |            |
| HDT, 0.45 MPa, 3.2 mm, unannealed            | 98            | °C                  | ASTM D 648 |
| HDT, 1.82 MPa, 3.2mm, unannealed             | 87            | °C                  | ASTM D 648 |
| Vicat Softening Temp, Rate B/50              | 102           | °C                  | ISO 306    |
| Vicat Softening Temp, Rate B/120             | 106           | °C                  | ISO 306    |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm        | 84            | °C                  | ISO 75/Af  |
| <b>PHYSICAL</b>                              |               |                     |            |
| Specific Gravity                             | 1.08          | -                   | ASTM D 792 |





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| <b>PHYSICAL</b>                 |               |                   |             |
| Melt Flow Rate, 230°C/3.8 kgf   | 23            | g/10 min          | ASTM D 1238 |
| Density                         | 1.08          | g/cm <sup>3</sup> | ISO 1183    |
| Melt Flow Rate, 220°C/10.0 kg   | 78            | g/10 min          | ISO 1133    |
| <b>OPTICAL</b>                  |               |                   |             |
| Yellowness Index                | 1             | -                 | ASTM D 1925 |

