



CYCOLACTM RESIN INPBMAT

REGION AMERICAS

DESCRIPTION

Cross-linked SAN in styrenic matrix. Provides excellent gloss reduction properties. Maintains original polymer properties such as impact etc. Compatible with various polymer such as PVC and ABS. Can be used in low gloss ABS products at typical loading around 5PHR. Can be effectively compounded with ABS and other styrenic thermoplastics in molded, extruded or calendered applications to provide excellent gloss reduction properties without losing other physical performance.

TYPICAL PROPERTY VALUES

Revision 20181012

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|--|----------------|-------------------|--------------|
| MECHANICAL | | | |
| Flexural Stress, yld, 1.3 mm/min, 50 mm span | 33 | MPa | ASTM D 790 |
| Flexural Modulus, 1.3 mm/min, 50 mm span | 3700 | MPa | ASTM D 790 |
| Flexural Stress, yield, 2 mm/min | 38 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 3400 | MPa | ISO 178 |
| IMPACT | | | |
| Izod Impact, notched, 23°C | 18 | J/m | ASTM D 256 |
| Izod Impact, notched 80*10*4 +23°C | 2 | kJ/m ² | ISO 180/1A |
| Izod Impact, notched 80*10*4 -30°C | 1 | kJ/m ² | ISO 180/1A |
| THERMAL | | | |
| HDT, 0.45 MPa, 3.2 mm, unannealed | 94 | °C | ASTM D 648 |
| HDT, 1.82 MPa, 3.2mm, unannealed | 86 | °C | ASTM D 648 |
| Vicat Softening Temp, Rate B/50 | 100 | °C | ISO 306 |
| Vicat Softening Temp, Rate B/120 | 102 | °C | ISO 306 |
| HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm | 87 | °C | ISO 75/Af |
| PHYSICAL | | | |
| Specific Gravity | 1.07 | - | ASTM D 792 |
| Density | 1.07 | g/cm ³ | ISO 1183 |
| Melt Flow Rate, 220°C/10.0 kg | 0 | g/10 min | ISO 1133 |

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