

# IGETABOND™

## Technical Data Sheet of IGETABOND™

※ READ SAFETY DATA SHEET BEFORE HANDLING AND USE OF MATERIAL.



May cause an allergic skin reaction.  
Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves.  
If skin irritation or rash occurs: Get medical advice/attention.

| Polymer Type                      |                       |         | E-GMA Copolymer                                                                                                          |                 |                              | E-GMA-VA Terpolymer                |       | E-GMA-MA Terpolymer                        |       |
|-----------------------------------|-----------------------|---------|--------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|------------------------------------|-------|--------------------------------------------|-------|
| Item                              | Test Method           | Unit    | BF-2C                                                                                                                    | BF-E            | CG5001                       | BF-2B                              | BF-7B | BF-7L                                      | BF-7M |
| Glycidyl Methacrylate(GMA) Cont.  | Sumitomo-Method       | wt%     | 6                                                                                                                        | 12              | 19                           | 12                                 | 12    | 3                                          | 6     |
| Vinyl Acetate (VA) Cont.          | Sumitomo-Method       | wt%     | —                                                                                                                        | —               | —                            | 5                                  | 5     | —                                          | —     |
| Methyl Acrylate (MA) Cont.        | Sumitomo-Method       | wt%     | —                                                                                                                        | —               | —                            | —                                  | —     | 27                                         | 27    |
| MFR (190℃)                        | JIS K7210*1           | g/10min | 3                                                                                                                        | 3               | 380                          | 3                                  | 7     | 7                                          | 7     |
| Density                           | JIS K7112             | kg/m³   | 930                                                                                                                      | 940             | 950                          | 950                                | 950   | 960                                        | 960   |
| Tensile Strength at Break         | ASTM D638*2           | MPa     | 18                                                                                                                       | 19              | 4                            | 19                                 | 17    | 4                                          | 3     |
| Elongation at Break               | ASTM D638*2           | %       | 650                                                                                                                      | 700             | 250                          | 750                                | 750   | 850                                        | 1000  |
| Apparent Bending Modulus          | ASTM D747             | MPa     | 98                                                                                                                       | 69              | 3                            | 39                                 | 39    | 6                                          | 4     |
| Surface Hardness                  | JIS K7215             | Shore D | 46                                                                                                                       | 43              | 34                           | 39                                 | 36    | 18                                         | 13    |
| Vicat Softening Point             | JIS K7206             | ℃       | 83                                                                                                                       | 75              | <-30                         | 68                                 | 66    | <25                                        | <25   |
| Brittle Point                     | JIS K7216             | ℃       | <-70                                                                                                                     | <-70            | —                            | <-70                               | <-70  | <-70                                       | <-70  |
| Melting Point                     | Sumitomo-Method (DSC) | ℃       | 105                                                                                                                      | 103             | 88                           | 95                                 | 95    | 60                                         | 52    |
| Glass Transition Temperature (Tg) | Sumitomo-Method (DSC) | ℃       | -26                                                                                                                      | -26             | -27                          | -28                                | -28   | -33                                        | -33   |
| Moisture Absorption               | JIS K6911             | %       | <0.01                                                                                                                    | <0.01           | —                            | <0.02                              | <0.02 | <0.05                                      | <0.05 |
| Characteristic                    |                       |         | High modulus<br>High reactivity                                                                                          | High reactivity | High reactivity<br>High flow | High reactivity<br>Strong adhesive |       | Good impact strength<br>at low temperature |       |
| Main Application                  |                       |         | Automotive parts / Electrical and electronic parts / Building material parts<br>Cable / Recycle PET modifier / Film etc. |                 |                              |                                    |       |                                            |       |

\*1: 190°C, 21.2N; \*2: Type IV specimen, Elongation rate 200mm/min.

The values given are typical averages and not to be considered as sales specification or guaranteed values.

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