

日本住友化学 GMA 接枝产品物性数据:

包含 GMA: BF-2C、BF-E、CG5001、BF-2B、BF-7B、BF-7L、BF-7M 等系列型号。

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% | www.emaresin.com | | | | — | 27 | 27 |
| MFR (190°C) | JIS K7210*1 | g/10min | 3 | 3 | 380 | 3 | 7 | 7 | 7 |
| Density | JIS K7112 | kg/m ³ | 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 | °C | 83 | 75 | <-30 | 68 | 66 | <25 | <25 |
| Brittle Point | JIS K7216 | °C | <-70 | <-70 | — | <-70 | <-70 | <-70 | <-70 |
| Melting Point | Sumitomo-Method (DSC) | °C | 105 | 103 | 88 | 95 | 95 | 60 | 52 |
| Glass Transition Temperature (Tg) | Sumitomo-Method (DSC) | °C | -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 High reactivity | High reactivity | High reactivity High flow | High reactivity Strong adhesive | | Good impact strength at low temperature | |
| Main Application | | | Automotive parts / Electrical and electronic parts / Building material parts 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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