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 (190ºC)	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	ºC	83	75	<-30	68	66	<25	<25
Brittle Point	JIS K7216	ºC	<-70	<-70	—	<-70	<-70	<-70	<-70
Melting Point	Sumitomo-Method (DSC)	ºC	105	103	88	95	95	60	52
Glass Transition Temperature (Tg)	Sumitomo-Method (DSC)	ºC	-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: 190ºC, 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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