

# Biomass Flexible PVC Compound



## <Physical Properties>

Applications	Units	RB-VE60F1	RB-VE70C1	RB-VE70F1	RB-VI70C1	RB-VI70F1	RB-VE80C1	RB-VI80C1	Standard
Molding method	—	Ex	Ex	Ex	Inj	Inj	Ex	Inj	—
Drying before molding	—	Needed	—	Needed	—	Needed	—	—	—
Transparent/Opaque	—	Opaque	Transparent	Opaque	Transparent	Opaque	Transparent	Transparent	—
Biomass rating	%	50	40	45	40	45	35	30	—
Specific gravity	—	1.19	1.21	1.22	1.20	1.22	1.24	1.24	JIS K 7112
Hardness HDA (15s delay)	—	69	70	74	70	73	80	80	JIS K 7215
Tensile strength	MPa	9.7	19.4	11.0	17.0	8.0	23.3	18.8	JIS K 6723
Modulus at 100% elongation	MPa	4.7	6.5	6.6	6.3	5.1	9.2	9.1	
Elongation at break	%	340	400	300	400	280	380	330	
Loss of mass (100°C×120hr)	%	0.5	0.5	0.5	0.4	0.4	0.4	0.4	JIS K 6723
Heat deformation (120°C, 1kg)	%	14.5	15.3	10.4	16.8	22.3	11.2	18.8	JIS K 6723
Low temperature resistance	°C	-30	-37	-25	-35	-21	-31	-24	JIS K 6723
Japan Organics Recycling Association registration number	—	—	No.200258	—	—	—	—	—	—

Notes : These performances are typical value, and are not spec value for guarantee.