


**FPC MBS, Impact Modifier**

MBS of Formosa Plastics Corporation is the impact modifiers and is used for indoor. MBS is core-shell structure, and is composed of SBR, PB core and PMMA shell. Core is the center of impact absorption, and shell provides the compatibility of additive and matrix. MBS has excellent workability and are suitable for several kinds of PVC process and product. Some product is applied for engineering plastic.

**Specification**

Grade	Bulk Density (g/cm <sup>3</sup> )	Moisture (%)	Thermal Stability	Tensile Strength (Kg/cm <sup>2</sup> )	Hardness Shore D	Elongation (%)
M-31	0.3 ↑	1.0 ↓	●●●	539	76~79	338
M-41	0.3 ↑	1.0 ↓	●●○	570	75~78	379
M-51	0.3 ↑	1.0 ↓	●●	590	76~78	358
M-61	0.3 ↑	1.0 ↓	●●●	541	76~78	390
M-81	0.3 ↑	1.0 ↓	●●○	560	75~78	380

Test method: 1. Higher Quantities of ● means the Better Performance, ● > ○. 2. Tensile Strength : JIS K-6745  
 3. Elongation: JIS K-P6745.

**Application and Property**

Grade	Properties	Application
M-31	Enhance fusion, excellent transparency, excellent thermal molding, low stress whitening, odorless, free Flow, and PL approval.	Used for film, sheet, and plate.
M-41	Good impact strength, good transparency, excellent thermal molding, oil resistance, odorless, free flow, and PL approval.	Used for film, sheet, plate, and pallet.
M-51	Excellent impact strength (low temperature), good melting strength, good fusion behavior, odorless, free flow, and PL approval.	Used for film, sheet, plate, pallet, and mold pipe.
M-61	Excellent transparency and little haze, excellent thermal molding, low stress, whitening, odorless, free flow, and PL approval.	Used for film, sheet, and plate.
M-81	Excellent transparency, excellent thermal molding, odorless, free flow, and PL approval.	Used for film, sheet, and pallet.

Packages: 1. Jumbo Bag: 400 KG packed in PP jumbo bag with pallet, containerized ship.  
 2. 20 KG bags: 20 KG paper bag with laminated (without pallet)

