

Technical Datasheet

Product:

Maleic Anhydride Grafted Linear Low Density Polyethylene

Grade: C1PELL-gMA

Product Description:

C1PELL-gMA is a modified linear low density polyethylene that have been functionalized by maleic anhydride grafting to help bond together dissimilar polymers used in toughened, filled and blended compounds. Some of their typical applications are as below:

- Coupling agents for halogen-free, flame-retarded Wire & Cable compounds containing fillers such as aluminum trihydrate (ATH) or magnesium hydroxide (Mg(OH)₂) or for natural fiber (wood) plastic compounds.
- Compatibilizers for dissimilar thermoplastic resins like PA66 with PP, to produce polymer alloy.
- Coupling agents and compatibilizers for inorganic mineral filler or fiber glass filled plastic, to enhance the dispersion and adhesion; improve the tensile strength, impact strength, flexural strength.

Appearance:

Host Polymer	LLDPE
Appearance	Granules
Color	Yellowish

Physical Properties:

Properties	Unit	Value	Standard
Melt Flow Index (190°C , 2.16 Kg)	g/10min	~ 0.9	ASTM D1238
Specific Gravity	g/cm ³	0.94	ASTM D792
Maleic Content	%	High	Internal method

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C-One Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C-One Polymer Co. make no warranty and liability in connection with any use of this information.