

LG Impact Modifier MB-851



Transparent Impact Modifiers

Introduction

Transparent impact modifiers improve impact strength of transparent PVC products.

LG chemical Ltd. Has several grades with different combination of impact strength and transparency.

Application

Sheet, film, etc

Properties

| Item | Test Method | Unit | Test Condition | Value |
|------------------------|----------------------|--------------------|-----------------|---------------------|
| PHYSICAL | | | | |
| Appearance | ISO9001 | - | - | White Powder |
| Apparent Bulk Density | ISO9001 | g/cc | 23 ± 2°C | >0.32 |
| Volatiles | ISO9001 | % | 110 ± 5°C | <1.0 |
| Particle Size | ISO9001 | % | 23 ± 2°C | 100% through 14mesh |
| MECHANICAL | | | | |
| Impact Strength | ISO9001 | kgcm/cm | 18", 23°C | >15 |
| Transparency | ISO9001 | % | 23 ± 2°C | >59 |
| Haze | ISO9001 | % | 23 ± 2°C | <12 |
| Tensile Strength | ISO9001 | kg/cm ² | 25°C | 580 |
| Tensile Time | ISO9001 | % | 25°C | 200 |
| Fusion Time | ISO9001 | sec | 170°C/30rpm/56g | <120 |
| CHARACTERISTICS | Low crease whitening | | | |

*Note : 1)The values of properties in the above table have been obtained by the test pieces(natural color) manufactured under certain of injection.

2)The listed values should be used for referential purposed only.

3) recipe: PVC(DP=1,000) 100/impact modifier 8/ESBO 1.5/lubricant 1.7/processing aids 0.5

4) Speciman Priperation: roll milling-pressring

Equivalent Grade

| | |
|------------------|---------|
| KANEKA | B-513 |
| KUREHA | BTA-707 |
| MITSUBISHI RAYON | C-132 |

Contact the technical team of speciality polymer for any questions or requirements relevant to MB-851 products.



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