

MATRIX C-90

Multi – Polymer Compatibilizer

Overview:

MATRIX C-90 is Multi – Polymer Compatibilizer providing a simple solution to melt blend and reprocess single polymers or mix polymer blends of PP & PE.

MATRIX C-90 works to induce In Situ Macromolecular Polymer Bonds during simple melt blending rebuilding strength in single polymer system reprocessing to regain properties as well as compatibilizer for mix polymers such as PP/PE mix.

Can also be used for recycling PP/PE/PET/AL multilayer packaging.

| Blend | Material | Blend (%) | Notched Impact (J/m) | Unnotched Impact (J/m) | Elongation at Yield (%) | Elongation at Break (%) | Tensile Stress (Mpa) |
|-------|-----------------------------|--------------|----------------------|------------------------|-------------------------|-------------------------|----------------------|
| 1 | PP / PE (mix) | 100% (50:50) | 100 | 865 | 10.3 | 11.4 | 20.8 |
| 2 | PP / PE (mix) + MATRIX C-90 | 95% + 5% | 302 | No Break | 12.5 | 13.3 | 22.5 |

* Reported results from actual customer field trials for specific grades and blends.

* It must be noted that due to the varying content of different grades in the waste recycle, individual results may differ.

| Details | Value | Unit | Test Method |
|---------|---------------------|-------|-------------|
| Form | Pellets | - | Visual |
| Colour | Off White to Yellow | - | Visual |
| Density | 0.90 | gm/cc | ASTM D792 |

Suggested Usage: 5% to 10% Loading

Packing: 25 Kg bags. Custom packing in big bags is available.

Availability : Singapore, Malaysia, India

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test, be responsible for its own specific use, further processing, labeling, marketing, etc.

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