

POLY-Ex44



DESCRIPTION

Poly-Ex44 is a unique product which has been formulated keeping in view the requirements of the Indian Virgin + Recycling Industry. This not only enhances the properties of virgin + recycled polymer but also takes care of finished products made out of it. It enhances the basic properties of the polymer and helps during the processing stage by lowering the temperature of fusion and increasing melt flow. This results in a higher rate of production, thus saving in power / electricity consumption [It depends upon the type and quality of the basic polymer]. Further, there is no need to add additional desiccant if the moisture content is within permissible limits.

ADVANTAGES

Use of **Poly-Ex44** improves the following polymer properties:

- * Lowers the temperature of fusion, increasing melt flow rate.
- * Increase in production, thus saving in electricity and other variable costs.
- * Increases miscibility of fillers + additives, thus improving processability.
- * Increase in tensile strength, resulting in better stretchability and elongation.
- * Enhances finish and improves shine of the finished product.
- * Lowers fuming during processing, thus reducing the degradability of the polymer composite.

WHERE AND HOW TO USE

- * **Poly-Ex44** shows excellent results in virgin as well as recycled polyolefins, for example PE, LDPE, LLDPE, HDPE, etc.
- * **Poly-Ex44** can be used in PP, HIPS, PVC, etc.
- * Dosage depends upon the polymer content in the product. It can be added from 1% to 5% of polymer content, depending upon the requirements of the end product properties.
- * **Poly-Ex44** should be added with granules or powder and mixed thoroughly before processing.

*** The above information is given in good faith but without warranty and is applied where the proprietary rights of third parties are involved. **
** We recommend to test our product and assess the suitability and quality before taking it into commercial production. ***