

Product Description: LDPE 2102TX00 GP Film

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Applications:

It is used in wide range of widths and thicknesses e.g. for punches, bags, liners and lamination film

Typical Data:

| Property | Unit | Value | Test Method |
|---------------------------|-------------------|--------|--------------|
| MFR* | dg/10min | 1.9 | ISO 1133 |
| Density** | kg/m ³ | 921 | ISO 1183 (A) |
| Optical properties | | | |
| Haze | % | 11 | ASTM D1003A |
| Clarity | mV | 29 | DSM METHOD |
| Gloss | % | 50±5 | ASTM D2457 |
| Formulation | | | |
| Anti oxidant** | ppm | 600±60 | DSM METHOD |
| Anti block | ppm | - | |
| Slip | PSI | - | |
| Film Properties | | | |
| Impact Strength | kJ/m | 26 | ASTM D4272 |
| Tear Strength TD | kN/m | 21 | ISO 6383-2 |
| Tear Strength MD | kN/m | 60 | ISO 6383-2 |
| Yield Stress TD | MPa | 11 | ISO R527-1 |
| Yield Stress MD | MPa | 13 | ISO R527-1 |
| Tensile Strength TD | MPa | 20 | ISO R527-1 |
| Tensile Strength MD | MPa | - | ISO R527-1 |
| Elongation at break TD | % | >500 | ISO R527-1 |
| Elongation at break MD | % | >150 | ISO R527-1 |
| Modulus of elasticity TD | MPa | 200 | ISO R527-1 |
| Modulus of elasticity MD | MPa | 190 | ISO R527-1 |
| Secant Modulus | | | |
| Puncher resistance | | | |
| Coefficient of friction | | >1.0 | ASTM D1894 |

* The values given for MFR and Density are targeted values. This exact values are guaranteed by licensor within applicable given ranges.

** By customer request

Storage, Handling:

As poly ethylenes, like most polymers, are combustible, the usual precautions concerning ignition sources should be taken in warehouses and storage rooms. Where large quantities are kept in store, it is necessary to observe the normal rules for orderly stock control and to keep out dust and moisture. It should be stored in such a way to prevent exposure to direct sun light, as this may lead to quality deterioration.

Health, Safety, Food Contact:

Under normal conditions polyethylenes do not present a toxic hazard through skin contact or inhalation. During processing contact with molten polymer and inhalation of volatilized fumes should be avoided. The chemical composition of the polyethylene grades comply with USA-FDA.

Environment, Recycling:

The environmental aspects of any packaging material do not imply waste issues but have to be considered in relation with the use of natural resources, the preservations of foodstuff. Whenever thermal recycling of packaging is carried out, polyethylene with its fairly simple molecular structure and low amount of additive is considered to be a trouble-free fuel.

Packaging:

This is supplied in the form of pellets, in big bag (1000 Kg) or 25 kg bags. The 25 bags are delivered on shrink-wrapped pallets.