

ELTEX[®] MMPE3940/10FDA

High Density Polyethylene – Milk blow moulding resin



ELTEX[®] MMPE3940/10FDA is a masterbatch pigmented with carbon black and manufactured from ELTEX[®] high-density polyethylene base.

It is mainly used for the pigmentation of the middle layer of high density polyethylene co-extruded bottles intended for the packaging of UHT or sterilized milk.

It complies with the main European and U.S. food regulations governing the packaging of food products on condition however it is used at less than 5 %.

| Properties | Conditions | Test Methods | Values | Units |
|-------------------------------|-----------------------------|----------------------------------|--------|-------------------|
| Rheological | | | | |
| Melt Flow Rate | 190°C/10kg | ISO 1133-1 | 5 | g/10min |
| Physical | | | | |
| Density ISO 17855-1 | 23°C | ISO 1183-1 | 1500 | kg/m ³ |
| Thermal | | | | |
| Melting Temperature | DSC 2nd heating 10°C/min | ISO 11357-3 | 129 | °C |
| Other | | | | |
| Molecular Weight Distribution | | INEOS Test Method | Narrow | |
| Carbon black content | | INEOS Test Method ⁽¹⁾ | 40 | % |

Data should not be used for specification work

(1) Measured using weight before and after pyrolysis



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Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration.

It is advised to process the product within maximum one year after delivery.