

TECHNICAL DATA SHEET

POLYETHYLENE TIPOLEN FC 243-51

LDPE FOR BLOWN FILM

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN

The joint product portfolio of TVK and SLOVNAFT provides infinite opportunities

DESCRIPTION

TIPOLEN FC 243-51 is a film grade of low density polyethylene with, good molten stability and excellent processability. The films made of this grade have good mechanical properties. The grade does not contain any additives.

APPLICATIONS

TIPOLEN FC 243-51 is intended for general purpose films, bubble films and foamed sheets. Recommended film thickness is 0.04-0.08 mm.

TIPOLEN FC 243-51 is suitable for food contact, for manufacturing of pharmaceutical packing products and toys. The product complies with Food Contact, Pharmaceutical and Toy Safety Regulations.

PROPERTIES

	Test method	Unit	Typical value
MFR (190 °C /2.16 kg)	ISO 1133-1	g/10 min	2
Density (23°C) *	ISO 1183-2	kg/m ³	922
Tensile strength (MD/TD) **	ISO 527	MPa	24/19
Tensile strain at break (MD/TD) **	ISO 527	%	260/590
Dart drop **	ISO 7765-1 method A	g	85
Haze **	ISO 14 782	%	9
Vicat softening temperature *	ISO 306/A 120	°C	94
Shore D hardness *	ISO 868	-	48

Typical properties, not to be used as specification.

* Density, Vicat Softening Temperature and Shore D Hardness have been measured on standard pressed specimens (ISO 293) conditioned at room temperature (ISO 291)

** Properties on film in M.D./T.D. - thickness of 0.07 mm (MFR=0.35g/10min) and 0.04 mm (MFR more than 0.35g/10min), blow up ratio 2.5:1

PROCESSING

TIPOLEN FC 243-51 can be used in conventional extrusion machines. Recommended processing temperatures are 170-190 °C.