

TECHNICAL DATA SHEET

POLYETHYLENE TIPOLEN FC 243-55

LDPE FOR BLOWN FILM

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN

The joint product portfolio of TVK and SLOVNAFT provides infinite opportunities

DESCRIPTION

TIPOLEN FC 243-55 is a film grade of low density polyethylene. The films made of this grade have excellent mechanical and optical properties. The grade contains slip and antiblocking agents.

APPLICATIONS

TIPOLEN FC 243-55 is intended for general purpose film applications. Recommended film thickness is 0.04-0.08 mm.

TIPOLEN FC 243-55 is suitable for food contact. The product complies with Food Contact 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	92
Haze **	ISO 14 782	%	9
Vicat softening temperature *	ISO 306/A 120	°C	94
Shore D hardness *	ISO 868	-	48
Slip agent content	Internal	%	0.04
Antiblock agent content	Internal	%	0.08

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 243-55 can be used in conventional extrusion machines.

Recommended processing temperatures are 170-190 °C.