

TECHNICAL DATA SHEET

POLYETHYLENE BRALEN RB 03-23

LDPE FOR GENERAL PURPOSES

TIPELIN / TIPOLEN / TIPPLEN / TATREN / BRALEN

The joint product portfolio of TVK and SLOVNAFT provides infinite opportunities

DESCRIPTION

BRALEN RB 03-23 is a general purpose grade of low density polyethylene. It is characterized by high environmental stress cracking resistance and very good mechanical properties. This grade is additives free.

APPLICATIONS

BRALEN RB 03-23 is designed for production of heavy duty and shrink films of thickness 0.07 – 0.25 mm. It is well suited for blow moulding of various containers, pipes, sheets and profiles extrusion and also for injection moulding. It is suitable for toys production.

BRALEN RB 03-23 is suitable for food contact. The product complies with Food Contact Regulations. The grade is suitable for manufacturing of pharmaceutical packing-product.

PROPERTIES

	Test method	Unit	Typical value
MFR (190 °C /2.16 kg)	ISO 1133-1	g/10 min	0.35
Density (23°C) *	ISO 1183-1 method C	kg/m ³	919
Tensile strength (MD/TD) **	ISO 527-1,3	MPa	24/24
Tensile strain at break (MD/TD) **	ISO 527-1,3	%	450/550
Dart drop **	ISO 7765-1 method A	g	300
Haze **	ISO 14 782	%	16
Vicat softening temperature *	ISO 306/A 50	°C	95
Shore D hardness *	ISO 868	-	47

Typical properties, not to be used as specification.

* Average mechanical property values of several measurements carried out on standard injection-moulded test specimens prepared in accordance with ISO 1872-2.

** 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

BRALEN RB 03-23 can be used in conventional extrusion machines. Recommended processing temperatures are 170-210 °C.