



Producer: Slounaft Petrochemicals / Slovak Republic

## BRALEN RB 03 - 23

### 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	g/10min	0.35
Density ( 23°C )*	ISO 1183	g/cm <sup>3</sup>	919
Tensile strength ( MD/TD ) **	ISO 527-1,3	Mpa	23/21
Tensile strain at break (MD/TD)**	ISO 527-1,3	%	400/500
Dart drop **	ISO 7765-1	g	300
Haze **	ISO 14 782	%	18
Vicat softening temperature *	ISO 306	°C	97
Shore D hardness *	ISO 868	-	47

\* Typical properties, not 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 then 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

### Storage and Handling :

Pellets are packed in 25 kg PE-LD bags and transported on shrink-wrapped pallets at eligible load of polymer 1250 or 1375 kg. Heat treated pallets are available as well. Transportation in a road silo or rail silo is also available. For more detailed information please contact Slovnaft Petrochemicals and TVK sales representative.