

TWO COLOURS



ONE DIRECTION

Polyethylene

BRALEN RB 03-23

LDPE for general purposes

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/10 min	0.35
Density (23°C) *	ISO 1183	kg/m ³	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 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 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 Sloznaft Petrochemicals and TVK sales representative.

Since polyethylene is a combustible substance, the fire safety rules applicable for combustible materials in warehouses and store rooms should be observed.

If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During the storage polyethylene should not be exposed to UV radiation and temperatures above 40°C. Producer does not take responsibility for any damages caused by adverse storage.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and most additives have been registered.

Sloznaft Petrochemicals, s.r.o./TVK Plc. is committed to fully respect this new legislation and will only use REACH compliant raw materials.

At this point in time LDPE BRALEN/TIPOLEN does not contain any substances specifically identified as SVHC at levels greater than 0.1%.

Safety

See MSDS.

Recycling

Polyethylene resins are suitable for recycling using modern recycling methods.

In-house production waste should be kept clean to facilitate direct recycling.

Disclaimer

The information provided in this publication has been compiled to the best of our present knowledge. However, in view of the various applications of polyethylene resins and the equipment used, the processing conditions may differ.

The recommendations and data herein are to be construed as informational only and do not relieve users from carrying out their own tests and experiments prior to processing in order to check suitability for a specific use. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. Our products are under continuous development, therefore we reserve the right to change the information presented in this brochure at our own discretion.

The REACH statement herein does not constitute legal advice. The REACH statement is provided for informational purpose only.

TIPOLIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Sloznaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



Sloznaft
PETROCHEMICALS



MANUFACTURER

Slovnaft Petrochemicals, s.r.o.
Vlčie hrdlo 4846
824 12 Bratislava
Slovak Republic

Internet: www.slovnaft.sk

E-mail: info@slovnaft.sk

TECHNICAL SERVICE

Slovnaft Petrochemicals, s.r.o.
Polymer Marketing and Sales

Telephone: + 421 2 4055 6836, + 421 2 4055 6941

Fax: + 421 2 4055 4902

E-mail: customerservice@snpch.petchem.sk

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



TVK Plc.

H-3581 Tiszaújváros,
P.O. Box: 20
Hungary
Telephone: +36 49 521-355
Fax: +36 49 522-410
E-mail: polymersales@tvk.hu

Slovnaft Petrochemicals, s.r.o.

Višie hrdlo 4846
824 12 Bratislava
Slovak Republic
Telephone: + 421 2 5859 6549
+ 421 2 5859 7231
+ 421 2 5859 7741
Fax: + 421 2 5859 7381
E-mail: polymersales@snpch.petchem.sk

TVK Inter-Chemol GmbH.

Fellnerstrasse 7-9.
D-60322 Frankfurt am Main
Germany
Telephone: +49 69 154 04 0
+49 69 154 04 31
Fax: +49 69 154 04 41
E-mail: tvkich@de.tvk.eu

TVK Italia S.r.l.

Via Teulié, 1
20136 Milano
Italy
Telephone: +39 02 58 30 5523
Fax: +39 02 58 30 3492
E-mail: tvkitaly@it.tvk.eu

TVK-France

182 Avenue Charles DeGaulle
F-92200 Neuilly-sur-Seine
France
Telephone: +33 (0)1 47456360
Fax: +33 (0)1 47454510
E-mail: tvk.france@orange.fr

TVK Ukraine

04128 Kiev
ul. Tupoleva, 19, office 303
Telephone: +380 44 374 00 80
Fax: +380 44 374 00 90
E-mail: office@tvkukraine.eu

TVK Polska Sp. z o.o.

ul. Wąwozowa 23/12
PL 02-796 Warszawa
Poland
Telephone: +48 22 545 70 70
Fax: +48 22 545 70 60
E-mail: tvkpolska@tvkpolska.pl
tvkpolska@pl.tvk.eu
www.tvkpolska.pl

MOL- Austria Handels GmbH.

Gartenbaupromenade 2/6
A-1010 Wien
Austria
Telephone: +43 1 515 991 120
+43 1 515 991 121
Fax: +43 1 513 37 55 1120
+43 1 513 37 55 1121
E-mail: JHauk@MOL.hu

SC. MOL Romania P.P. SRL

Str. Danielopolu 4-6
ET2 Sector 1 Cod 014 134
Bucuresti, Romania
Telephone: +40 21 204 85 00
+40 21 204 85 02
Fax: +40 21 232 1059
E-mail: petchem@molromania.ro

Other European Countries

Telephone: +36 49 521 355
+ 421 2 5859 7515
+ 421 2 5859 7682
Fax: +36 49 522 410
+421 2 5859 7224
E-mail: polymersales@tvk.hu
polymersales@snpch.petchem.sk

January 2011

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft Petrochemicals provide infinite opportunities

MEMBERS OF THE MOL GROUP



Slovnaft
PETROCHEMICALS

