

TWO COLOURS



ONE DIRECTION

Polyethylene

BRALEN VA 20-60

LDPE for injection moulding

Technical Data Sheet

Description

BRALEN VA 20-60 is an injection moulding grade of low density polyethylene, characterized by good flow. This grade is additives free.

Applications

BRALEN VA 20-60 is designed for production of household goods and technical items of complicated shapes. It is suitable for toys production. It is not recommended for articles exposed to corrosive media and mechanical stress.

BRALEN VA 20-60 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	20
Density (23°C) *	ISO 1183-1 method C	kg/m ³	914
Tensile strength *	ISO 527-1,2	MPa	9
Vicat softening temperature *	ISO 306/A 50	°C	85
Shore D hardness *	ISO 868	-	42

* 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.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



Processing

BRALEN VA 20-60 can be used in conventional injection moulding machines. Recommended processing temperatures are 130-150 °C.

Storage and Handling

Pellets are packed in 25 kg PE-LD bags and transported on stretch or 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 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 relevant additives have been registered.

SLOVNAFT, a.s./TVK Plc. is committed to fully respect 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.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



MANUFACTURER

SLOVNAFT, a.s.
Vičie hrdlo 1
824 12 Bratislava
Slovak Republic

Internet: www.slovnaft.sk
E-mail: infopolymer@slovnaft.sk

TECHNICAL SERVICE

SLOVNAFT, a.s.
Polymers Business Support

Telephone: + 421 2 5859 7250
+ 421 2 5859 7257

E-mail: polymerservice@slovnaft.sk

SALES ORGANIZATION

SLOVNAFT, a.s.
Polymer Sales
Vičie hrdlo 1
824 12 Bratislava
Slovak Republic

Telephone: + 421 2 5859 7515
+ 421 2 5859 7741
+ 421 2 5859 7231

E-mail: polymersales@slovnaft.sk

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft 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, a.s..**

Vičie hrdlo 1

824 12 Bratislava

Slovak Republic

Telephone: +421 2 5859 7515

+421 2 5859 7231

+421 2 5859 7741

E-mail: polymersales@slovnaft.sk**MOL Germany GmbH.**

Fellnerstrasse 7-9.

D-60322 Frankfurt am Main

Germany

Telephone: +49 69 154 04 0**Fax:** +49 69 154 04 41**E-mail:** polymersales@molgermany.de**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 de Gaulle

F-92200 Neuilly-sur-Seine

France

Telephone: +33 (0)1 47 45 63 60**Fax:** +33 (0)1 47 45 45 10**E-mail:** tvkfrance@fr.tvk.eu**MOL Ukraine LLC**

04655 Kiev

Moskovskiy ave, 23, 7th floor

Ukraine

Telephone: +380 44 374 00 80

+380 67 463 58 69

Fax: +380 44 374 00 90**E-mail:** JZavojko@mol-ukraine.com.ua**SLOVNAFT Polska S.A.****PetChem Department**

ul. Wąwozowa 23/12

PL 02-796 Warszawa

Poland

Telephone: +48 22 545 70 70**Fax:** +48 22 545 70 60**E-mail:** petchem@slovnaft.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@molaustria.at**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 7516

Fax: +36 49 522 410**E-mail:** polymersales@tvk.hupolymersales@slovnaft.sk

January 2013

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP

