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Polyethylene
BRALEN RB 03-23
 General purpose grade

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.

Applications

BRALEN RB 03-23 is designed for the production of heavy duty and shrink films of thickness 0,07 - 0,25 mm. It is well suited for blow moulding of various containers, pipe, sheets and profiles extrusion and also injection moulding. It is suitable for toys production.

BRALEN RB 03-23 meets the requirements of the Slovak Hygienic Regulations for Contact with Foodstuffs, conforms to the Commission Directive 2002/72/EC and corresponds with the Health Regulations of Germany (BGVV), A III (PE). The grade complies with the European Standard EN 71, part 3.

Properties*

	Test Method	Unit	Typical Value
MFR (2.16kg/190°C)	ISO 1133	g/10 min	0,35
Density (23°C)	ISO 1183-2	kg/m ³	919
Tensile strength at break	ISO 527	MPa	23/21**
Tensile strain at break	ISO 527	%	400/500**
Vicat softening temperature	ISO 306	°C	97
Dart drop	ISO 7765-1	g	300
Shore D hardness	ISO 868	-	47
Haze	ISO 14 782	%	18**

* Preparation of injection-moulded test specimens in accordance with ISO 1872-2.

** Haze, tensile strength and tensile strain at break 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

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Storage and Handling

Pellets are packed in 25 kg PE-LD bags and transported on shrink-wrapped pallets at eligible load of polymer 1000 or 1250 kg. Upon request polyethylene can also be packed in the carton boxes fixed on pallets, where the load of polymer is about 1100 kg. Transportation in a road silo or rail silo is also available.

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. Producer does not take responsibility for any damages caused by adverse storage.

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.

Notes

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 informatory 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.

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