

TWO COLOURS



ONE DIRECTION

TIPELIN 6010B

High density polyethylene TIPELIN 6010B is a new bimodal grade produced using Mitsui CX process, developed for blow moulding and extrusion of natural (not coloured) end products, where long-term colour stability (elimination of yellowness) is required.

BENEFITS:

- ▶ **TIPELIN 6010B** contains new and efficient secondary antioxidant agent, so the natural end-products keep their white colour even over the long-term ,
- ▶ Thanks to its high flexural modulus and density the final products have excellent physical properties even at low wall thickness.

KEY FEATURES:

- ▶ Outstanding initial and long-term colour stability
- ▶ Good flexural modulus
- ▶ Good processability
- ▶ Excellent thermal stability (OIT)



TARGET APPLICATIONS:

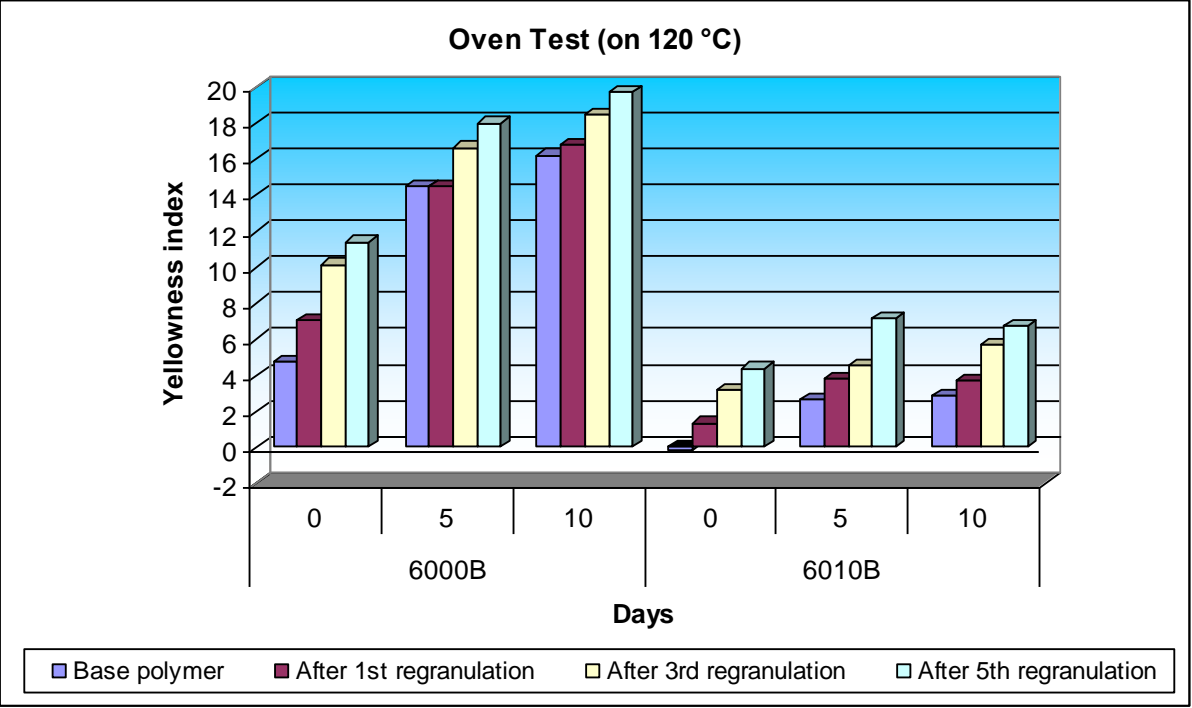
- ▶ Natural bottles up to 5 litres
- ▶ Packaging of UN certified chemicals
- ▶ Packing of cosmetic products
- ▶ Corrugated pipes

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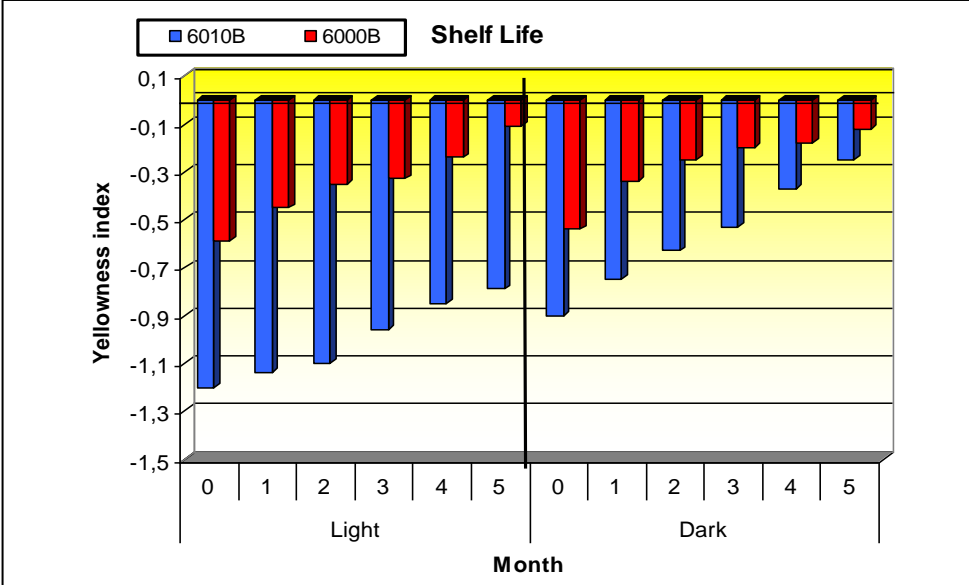
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► The well stabilized **TIPELIN 6010B** keeps its white colour even after multiple regranulation, which makes the usage of this grade more economic in case of natural products (lower the YI - Yellowness Index, whiter the colour).

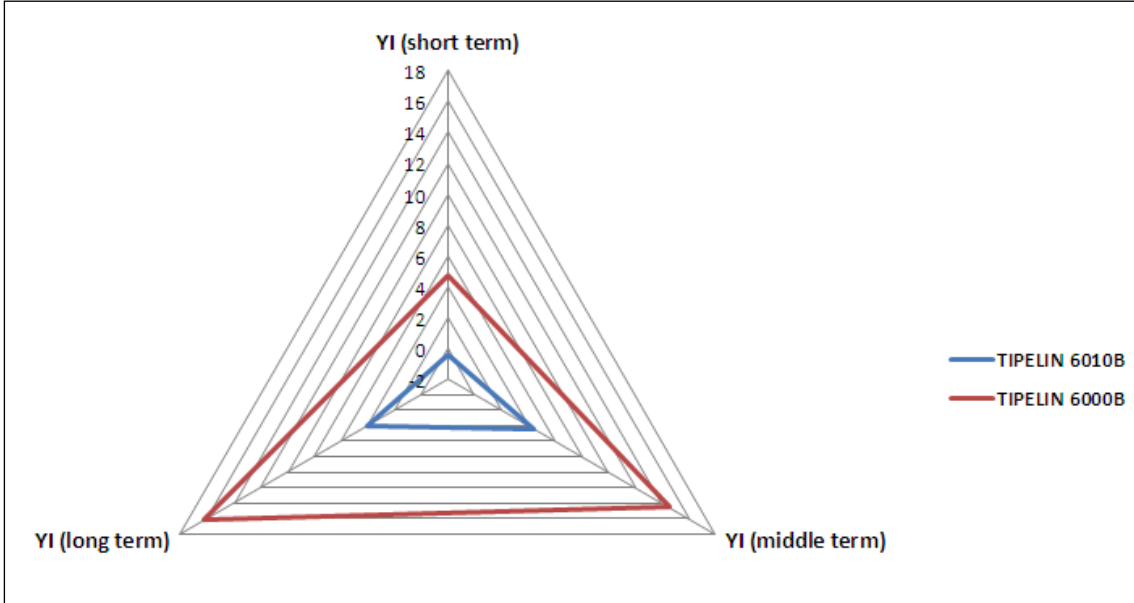


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- ▶ The natural products made of **TIPELIN 6010B** keep their white colour even in long-term. The increased shelf life makes it acceptable for those producers, who would like to store their products for longer-term before the final usage.



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TIPELIN 6010B has the following technical parameters:

	Test method	Unit	TIPELIN 6000B	TIPELIN 6010B
MFR (2.16 kg/190 °C)	ISO 1133	g/10 min	0.3	0.3
MFR (5 kg/190 °C)	ISO 1133	g/10 min	1.3	1.35
MFR (21.6 kg/190 °C)	ISO 1133	g/10 min	30	30
Density (23 °C) *	ISO 1183-2	kg/m ³	958	958
Flexural Modulus *	ISO 178	MPa	1700	1700
Vicat Softening Temperature *	ISO 306/A 120	°C	127	128
IZOD Impact Strength (notched, 23 °C) *	ISO 180/A	kJ/m ²	8	9
Shore D hardness *	ISO 868	-	65	65
ESCR F50 B (10% Igepal CO-630) *	ASTM D 1693	h	200	200
Yellowness index	ASTM D 2244	-	-2.40	-2.00
OIT (200 °C) *	EN 728	min	30	92

Typical properties. not to be used as specification.

* Values have been measured on standard pressed specimens (ISO 293) conditioned at room temperature (ISO 291).

MANUFACTURER:

TVK Plc.
H-3581 Tiszaújváros
P.O.B. 20
Hungary
Internet: www.tvk.hu
E-mail: tvkinfo@tvk.hu

For further information and Technical data sheets please visit our websites:
www.slovnaft.sk. www.tvk.hu or contact your sales representative.

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 informative 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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