

TWO COLOURS



ONE DIRECTION

# TIPELIN BB 620-17

**TIPELIN BB 620-17** is a new unimodal grade produced using Phillips technology, developed for blow moulding and extrusion applications, where odourless products are required.

## **BENEFITS:**

- ▶ TIPELIN BB 620-17 does not contain any co-monomer and thanks to it has low odour and taste intensity
- ▶ TIPELIN BB 620-17 has high flexural modulus and high density and thanks to it the final product has a good wall stiffness even at reduced thickness

## **KEY FEATURES:**

- ▶ Excellent organoleptic properties
- ▶ Outstanding flexural modulus
- ▶ Good processability



## **TARGET APPLICATIONS:**

- ▶ Bottles of small size
- ▶ Rigid packaging for food industry
- ▶ Excellent for packing dairy products
- ▶ Corrugated pipes

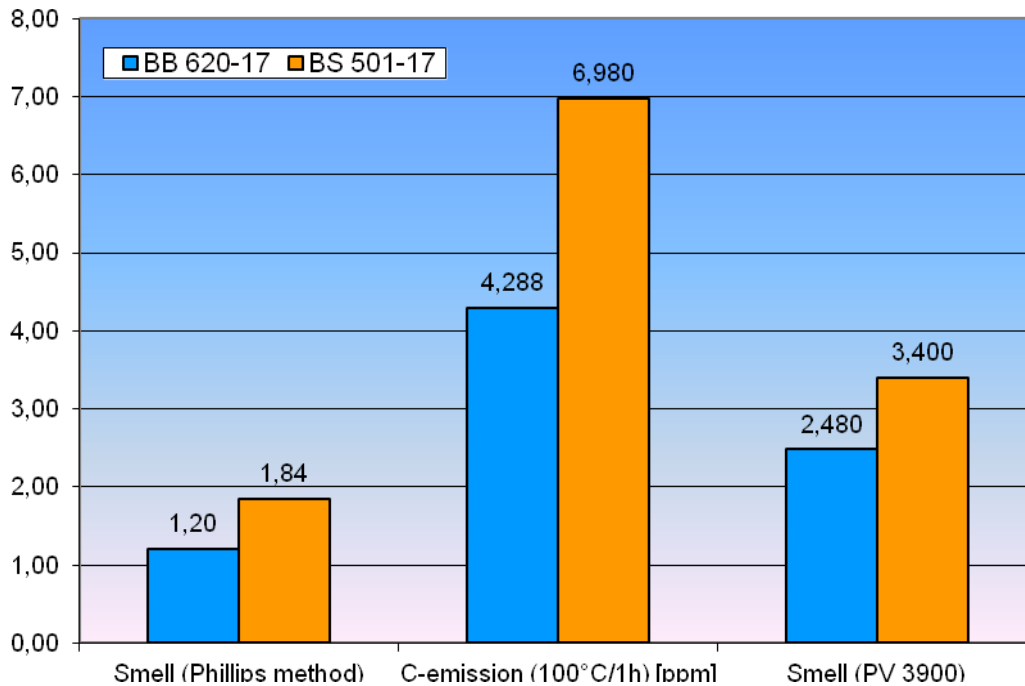
TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

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

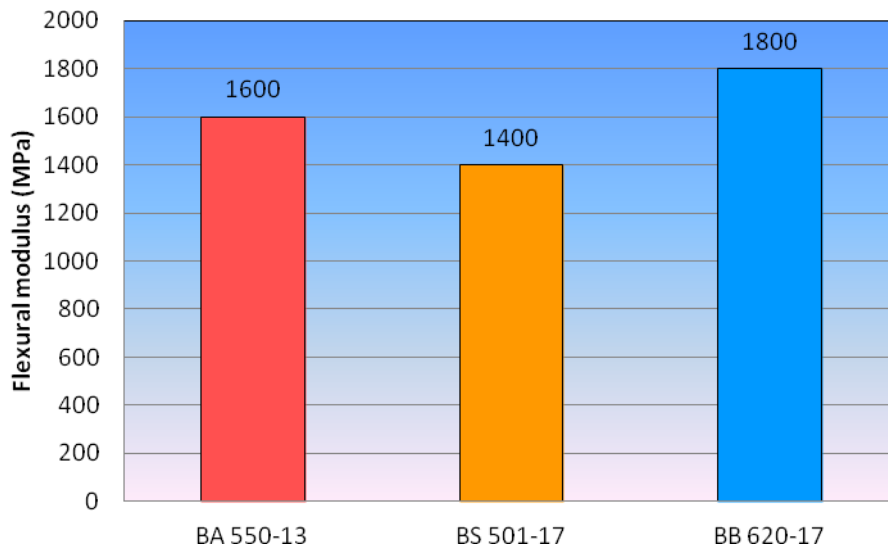
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## ODOUR INTENSITY AND MECHANICAL PROPERTIES OF TIPELIN BB 620-17



- ▶ TIPELIN BB 620-17 is produced without hexen-1 co-monomer, so it is excellent even for sensitive applications in food packing industry, especially for dairy products



- ▶ Excellent physical-mechanical properties of TIPELIN BB 620-17 make it suitable for corrugated pipes

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**OTHER CHARACTERISTICS OF TIPELIN BB 620-17**

Technical parameter	Test method	Unit	Value
MFR (2,16 kg/190 °C)	ISO 1133	g/10 min	0.7
MFR (21,6 kg/190 °C)	ISO 1133	g/10 min	50
Density	ISO 1183	g/cm <sup>3</sup>	0.961
Flexural modulus	ISO 178	MPa	1700
Tensile strength at yield*	ISO 527-1,2	MPa	32
Tensile strain at break*	ISO 527-1,2	%	1000
Vicat melting point*	ISO 306/A 120	°C	130
IZOD impact (notched, 23 °C) *	ISO 180/1A	kJ/m <sup>2</sup>	13
Shore D hardness*	ISO 868	-	67
ESCR F50 B (100% Igepal CO-630) *	ASTM D 1693	h	13
Odour intensity	Phillips method	-	1.2
C-emission (100 °C/1h) [µg/g]	PV 3341	ppm	4.3
Odour intensity	PV 3900	-	2.5

Typical properties, not to be used as specification.

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



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**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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