

# SIBUR

## Technical Data Sheet PE2NT76-17 High-Density Polyethylene

### PRODUCT DESCRIPTION

PE2NT76-17 is a high density butene polyethylene. The product offers a balanced combination of physical and mechanical performance with good processability. Products made from PE2NT76-17 exhibit resistance to aggressive environments, impact resistance and high rigidity.

### TYPICAL APPLICATIONS

PE2NT76-17 is recommended for Blow Molded containers of up to 30 liters for packaging chemicals, household goods, cosmetics and pharmaceuticals.

Properties	Conditions	Method	Typical values*	Units
<b>Rheology</b>				
Melt Flow Rate	190 °C/2.16 kg	ISO 1133	0.7	g/10 min
<b>Physical</b>				
Density	20 °C	ISO 1183	0.960	g/cm <sup>3</sup>
<b>Mechanical</b>				
Tensile Strength at Break		ISO 527-2	30	MPa
Tensile Stress at Yield		ISO 527-2	26	MPa
Elongation at Break		ISO 527-2	750	%
Charpy Notched Impact Strength	23 °C	ISO 179-1	7	kJ/m <sup>2</sup>
Notched Izod Impact Strength	23 °C	ISO 180	8	kJ/m <sup>2</sup>
Environmental Stress-Cracking Resistance (ESCR)		ASTM D1693	>30	hours
<b>Thermal</b>				
Vicat Softening Point	10 N	ISO 306	127	°C

\*The values given are typical values measured on the product. These values should not be considered as specification.

### REACH Statement

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

**PJSC «Sibur Holding» (and its subsidiaries)** is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

### Safety

See MSDS