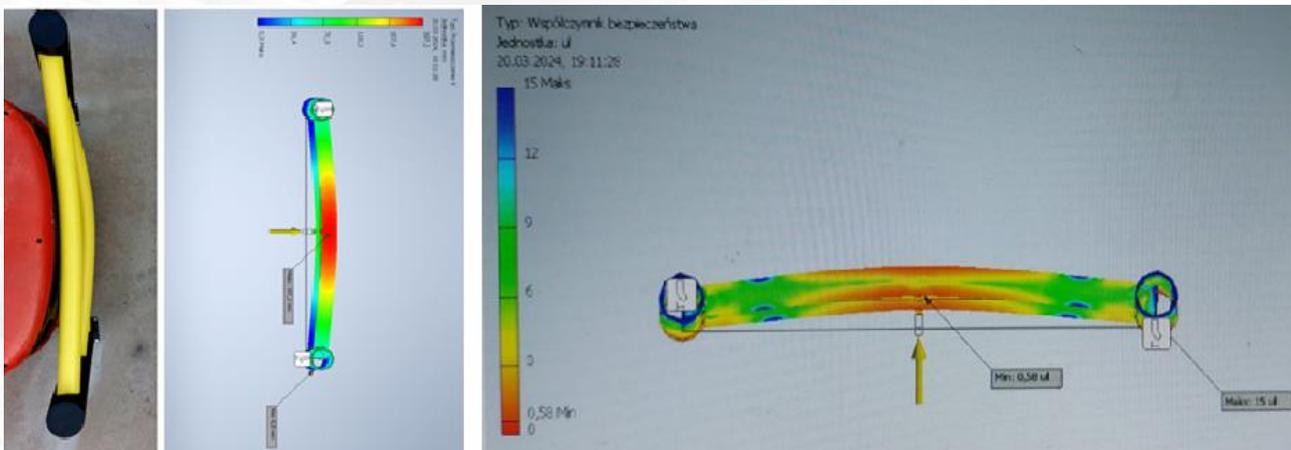


Warranty, technical data and product properties of the Safeway brand.

The warranty covers non-mechanical events related to the product and its design, application, and service life for 5 years.

In the event of any other damage, the manufacturer is ready to take immediate action to determine the cause and resolve the issue.

Safeway products are internally tested for impact and damage, with parameters reported by the manufacturer in their signed technical data sheets.

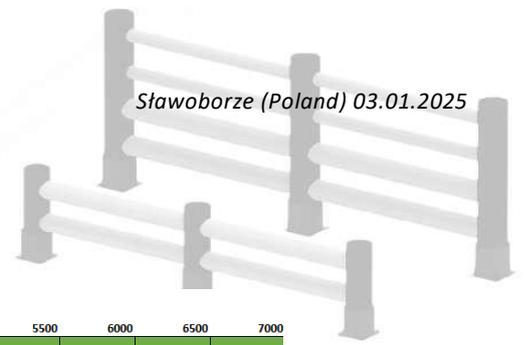


Barrier testing is not about indestructibility, but about preventing hazards and fulfilling their function in this case.

After impact, Safeway barriers absorb all the energy, distribute it to individual sections, minimizing the impact force, and then return to their previous shape.



Safeway products are composed of multiple components, allowing for component replacement without disassembly if a component becomes damaged.



Safeway barriers feature a special UV coating that protects against sunlight and harsh light, as well as built-in anti-scratch agents.

According to the laboratory's declaration, Safeway products are non-flammable:

„The technology for producing polyethylene products under the Safeway brand involves the use of single-screw extruders. Depending on the production line, there can be one to three extruders. The tubes produced can be single, double, or triple-layered. The cylinder-screw assembly melts the material and heats it to the required temperature; it ensures the uniformity of composition and temperature; and compresses the material to create the pressure needed to overcome the flow resistance through the die. The homogenized, plasticized material at a stabilized temperature from the cylinder-screw assembly moves towards the die. The movement of the material towards the die is driven by frictional force. The plasticized material enters the die. It travels through the channels towards the mandrel (nozzle) with the sleeve. In the case of producing multi-layered pipes, this technology ensures the molecular bonding of layers through co-extrusion, creating a solid structure of the pipe wall. The layers are inseparable. The resulting polyethylene pipe is not a polymer foam material. The presented technology is not a foaming technology.”

J. Kurek
Lurek
 Kierownik laboratorium

The Safeway barriers meet the requirements of building supervision and fire safety institutions. The color of the barriers is adapted to safety and hygiene standards worldwide.

The properties of the material and semi-finished product are presented in the laboratory table:



KDWU nr 09.1.2020 and IBDiM



1	Melt flow rate MFR of polyethylene (temp. 190 °C, load 5.0 kg)	$0,2 \leq \text{MFR} \leq 1,6 \text{ g}/10\text{min}$ PN-EN ISO 1133-1
2	Polyethylene density PE	$\geq 930 \text{ kg}/\text{m}^3$ PN-EN ISO 1183-1
3	Oxidation induction time (OIT) of polyethylene at 200 °C	$\geq 20 \text{ min}$ PN-EN ISO 11357-6
4	Properties and compatibility of elastomeric seals: - rubber and natural rubber - thermoplastic elastomers - long-term durability of elastomeric seals of thermoplastic elastomers	wg PN-EN 681-1 wg PN-EN 681-2 PN-EN 14741
5	Resistance to slow crack propagation (Notch Test) in a material in the form of a 110 mm diameter pipe, SDR11, with a notch at 80°C, test parameters: - pressure 9.2 bar, time 8760 hours for PE100RC, - pressure 9.2 bar, time 500 hours for PE100	<i>no damage during the test</i> PN-EN ISO 13479
6	Resistance to rapid crack propagation (RCP) in a pipe material (temp. 0°C)	crack growth stopped PN-EN ISO 13477
7	FNCT (Full Notch Creep Test) for PE 100RC beams (temp. 80°C, 4 N/mm ² , 2% Arkopal N-100, time > 8760 hours)	<i>no damage during the test</i> ISO 16770
8	Resistance to point load (Dr. Hessel's PLT test) of PE 100RC 1) material in the form of a pipe (temp. 80 °C, 4 N/mm ² , 2% Arkopal N-100)	without damaging the wall PAS 1075

The manufacturer reserves the right to provide information about its products, technical data and product properties only for internal purposes and internal company audits.

We have spare parts for our products in stock and our response in case of the need to replace a specific part is immediate.

In the set, we offer the highest quality concrete screws to ensure safety and comfort during use.

We confirm the compliance and reliability of our product cards and drawings.

Daria Sędzik
Owner of the Safeway brand