

Technical Data Sheet
PUREX WG-2032E

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1. Product description

Two-component polyurethane foam for the manufacturing of thermal insulation. It contains a compound HFC which has zero ozone depletion potential ODP = 0. Recommended for the production of insulation in the form of eg. in the refrigeration industry, door filling, boilers insulation, the production of board with or without linings and all kinds of batch process.

Two-component system	Component A	Component B
Aggregation state	liquid	liquid
Colour	colourless to light-brown	brown
Smell	amine-like	specific
Viscosity at 25°C [mPas]	400 ± 150	max 250
Density at 20°C [g/cm ³]	1,10	1,23

2. Application method recommended

The system can be applied in manual or machine moulding. Release agent should be spreaded on moulding surfaces of the mould for moulded profiles easy setting free. Demoulding time should be determined experimentally, because it is related to treated components temperature, ambient temperature, the mould temperature and the moulded system volume. In the case elements with facing are moulded use mouldings and presses heated up to 30°C minimum is recommended for suitable adhesion of the foam to the facing providing and fragility occurrence at the surface elimination. Some facing materials require preliminary preparation of the surface before the polyurethane system application. The foam gets its final properties after 24 h.

Components temperature	18 – 22°C
Ambient temperature	18 – 30°C
Mould / press temperature recommended	30 – 45°C

3. Technological properties*

Component A:B ratio	[by weight]	100 : 110
Component A:B ratio	[by volume]	100 : 100
Cream time	[s]	18 – 22
Gelling time	[s]	80 – 110
Tack-free time	[s]	145 – 190
Free-rise density	[kg/m ³]	30 – 33

4. Physical and mechanical properties of the foam*

Minimum density of the foam core in the product acc. to PN-EN 1609:1999	[kg/m ³]	42
Compression strength acc. to PN-EN 826	[kPa]	120 min
Water absorbing capacity acc. to PN-EN 12087	----	3 % of the volume max
Closed cells content acc. to PN-EN 4590		
Thermal conductivity	----	90% min
Combustibility acc. to DIN 4102	[W/mK]	0,022 – 0,025
Combustibility acc. to PN 88/C 82297	----	B-3
Temperature strength	----	Self-extinguishing
	[°C]	120

5. Transport and storage

The system components need to be transported and stored in tightly closed containers at 5 – 25°C temperature. Protect against moisture access.

Storage life for both of the system components is 6 months from manufacture date, if stored in recommended conditions and in original containers.

***Notes**

Data presented in this information have been obtained during the system foaming in model conditions. When foaming in other conditions, the results obtained can be slightly different from published. Safety Data Sheet is available for the product. The system application instruction is available if requested. Polychem Systems company offers its assistance at the system implementation and application in client's manufacture.

Every time the user is obliged to check the product and auxiliary agents usefulness for his intentional use.

The user is obligated to have a valid safety data sheet of the product, which is provided by the manufacturer during the sale and everytime on the customer's request.

Prior to processing the user must carefully read aforementioned documentation and follow the rules of procedure for product use.