Technical Data Sheet

F-10 HD NERO / OEB 21

Issue date:2014.07.30
Revision date:2014.10.02

1. Product description

F-10 HD NERO / OEB 21 is two-component raw material system on polyether base. The system is recommended to air filters gasket in machine manufacturing.

Two-component system	F-10 HD NERO - Component A	OEB 21 - Component B
State of aggregation	liquid	liquid
Colour	black	straw-coloured, slightly opalescent
Viscosity at 25°C [mPas]	800 - 1100	700 - 1200
Density at 20°C [g/cm^3]	1,06 ± 0,03	1,17 ± 0,03
Mixing ratio by weight [g]	100	37 - 39

2. Application method recommended

Component A should be thoroughly mixed before use. Component B can be solid substance in room temperature. This component should be heated in original containers at temperature of 60 – 70°C to complete liquefying before processing. Liquefying time is usually 4 – 6 hours in the case of 50 dm^3 containers and 18 – 24 hours in the case of 216 dm^3 drum. Because repeated heating can have negative influence on produced plastic properties, the whole of liquefied system processing is recommended. Moulding surfaces should be covered with suitable release agent to enable the profile easy taking out of the mould.

Raw material temperature	[°C]	20 – 25
Mould temperature	[°C]	45 – 65

3. Technological properties of foaming process (cup test, 100g of the system)*

Components A:B ratio	[g]	72,5 : 27,5
Raw materials temperature	[°C]	20
Start time	[s]	33 – 38
Gel time	[s]	58 – 70
End of rise	[s]	110 – 130
Free rise density	[kg/m^3]	370 – 390

4. Physico-mechanical properties of the foam*

Optimum foam density in the product	[kg/m^3]	400 – 600
Hardness **	[°ShA]	18 - 35

** Hardness depends on mixing ratio, mould temperature and overall density of foam

5. Transport and storage

Store in dry, well ventilated room, in tightly closed containers. Protect against moisture access and direct exposure to sunrays. Containers opened before should be tightly closed and stored in position making out-flow impossible. Optimum storage temperature is 15 – 30°C. Permissible temperature during transport is 5°C – 50°C.

*Notes

Data presented in this information have been obtained during the system foaming in model conditions. The results obtained when foaming in other conditions can be slightly different from published. Safety Data Sheet is available for the product.

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