SIPOL SpA
Via L. Da Vinci, 5 – 27036 MORTARA (PV) - ITALY
Tel. +39 0384 295237 – Fax +39 0384 295084
E-mail: sipol@sipol.com – www.sipol.com
Cap. Soc. € 600.000 i.v. – R.E.A. PV n. 225329
Reg. Imprese di Pavia PV/C.F. 01669490037
P.I. 01842120188

Technical Data Sheet

TECHNIPOL® 32

DESCRIPTION

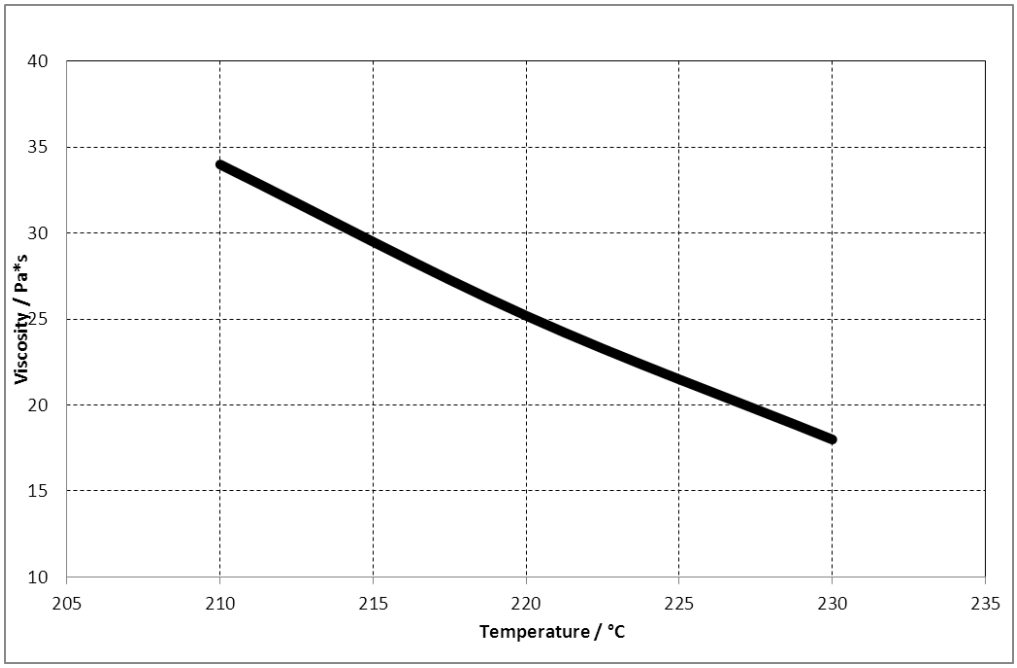
Technipol® 32 is a co-polyester based thermoplastic adhesive designed for the production of air and oil filters in the automotive industry.
Technipol® 32 is characterised by:
- a high chemical resistance (mineral oil and diesel vapours)
- a good thermal resistance, compatible with the paper curing temperatures
- a high flexibility, that assures the integrity of the filter during all production steps

TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	U.M.	VALUE
Density	ASTM D 792 | ISO 1183	g/cm^3	1,11
Melting temperature	ASTM D 3418 | ISO 11357-3	°C	185
Elongation at break	ASTM D 638 | ISO 527	%	>500
Viscosity - Brookfield* 210°C	MI 12	Pa·s	34
Viscosity - MFI 210°C 0.325 Kg	ASTM D 1238 | ISO 1133	g/10 min	43

*Cone/ plate Viscometer, Model Brookfield CAP 2000+.

VISCOSITY vs TEMPERATURE CURVE



The information provided herein corresponds to our current knowledge on date of publication. This information may be subject to review, if further experience and knowledge become available. The data reported corresponds to typical values and should not be considered as specification limits, or as a basis for design calculations. This data sheet must not in any way be construed as a license or as an invitation or permission to violate any existing patents, the existence of which must be verified by the Customer. The application, use and processing of Sipol products and the quality of the final products obtained by the customer are completely out of our control. The Customer is responsible for verifying that the material is suitable for the specific application; any data given here does not relieve the Customer from conducting appropriate checks and testing. Sipol cannot foresee all possible variations in actual end-use conditions, and therefore offers no warranty and assumes no liability in connection with any use of this information.

SIPOL SpA
Via L. Da Vinci, 5 – 27036 MORTARA (PV) - ITALY
Tel. +39 0384 295237 – Fax +39 0384 295084
E-mail: sipol@sipol.com – www.sipol.com
Cap. Soc. € 600.000 i.v. – R.E.A. PV n. 225329
Reg. Imprese di Pavia PV/C.F. 01669490037
P.I. 01842120188

Technical Data Sheet

TECHNIPOL® 32

APPLICATION INDICATIONS

Extruders are recommended when applying this grade.

Suggested temperature profile for extrusion:

UNDER HOPPER	FEEDING ZONE	COMPRESSION ZONE	METERING ZONE	EXTRUSION DIE/ HOSE	NOZZLE
100 – 120°C	140 – 160°C	180 – 210°C	220 - 240°C	240 - 250°C	240 - 250°C

PACKAGING

25 kg bags equipped with an aluminum film barrier against moisture action.
500 kg cardboard octabins equipped with an inner PE liner.

STORAGE

Product can be stored for 12 months if stocked in a cool and dry place and protected from light.
When stocked around 5 – 10°C or below, it is recommended to keep it at 15 – 20°C for at least for 24 hours before using it.

The information provided herein corresponds to our current knowledge on date of publication. This information may be subject to review, if further experience and knowledge become available. The data reported corresponds to typical values and should not be considered as specification limits, or as a basis for design calculations. This data sheet must not in any way be construed as a license or as an invitation or permission to violate any existing patents, the existence of which must be verified by the Customer. The application, use and processing of Sipol products and the quality of the final products obtained by the customer are completely out of our control. The Customer is responsible for verifying that the material is suitable for the specific application; any data given here does not relieve the Customer from conducting appropriate checks and testing. Sipol cannot foresee all possible variations in actual end-use conditions, and therefore offers no warranty and assumes no liability in connection with any use of this information.