

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:

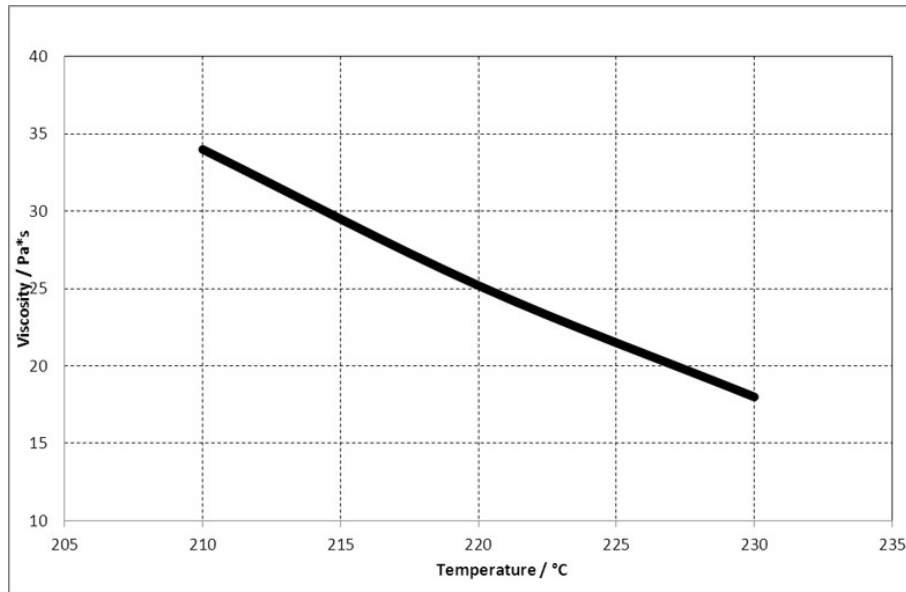
- a high chemical resistance (mineral oil and diesel vapours)
- a good thermal resistance, compatible with the paper curing temperatures
- a high flexibility, that assures the integrity of the filter during all production steps

TECHNICAL CHARACTERISTICS

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

Cone/ plate Viscometer, Model Brookfield CAP 2000+.

VISCOSITY vs TEMPERATURE CURVE



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PROCESSING CONDITIONS

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.
500 Kg and 1000 Kg big bags.

STORAGE

Product is stable for 12 months when stored unopened in its original packaging, kept 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.