

## Technical Data Sheet

### TECHNIPOL® 180 D

#### DESCRIPTION

TECHNIPOL® 180 D is a co-polyester based thermoplastic adhesive designed for the production of air and oil filters in the automotive industry. TECHNIPOL® 180 D is characterised by:

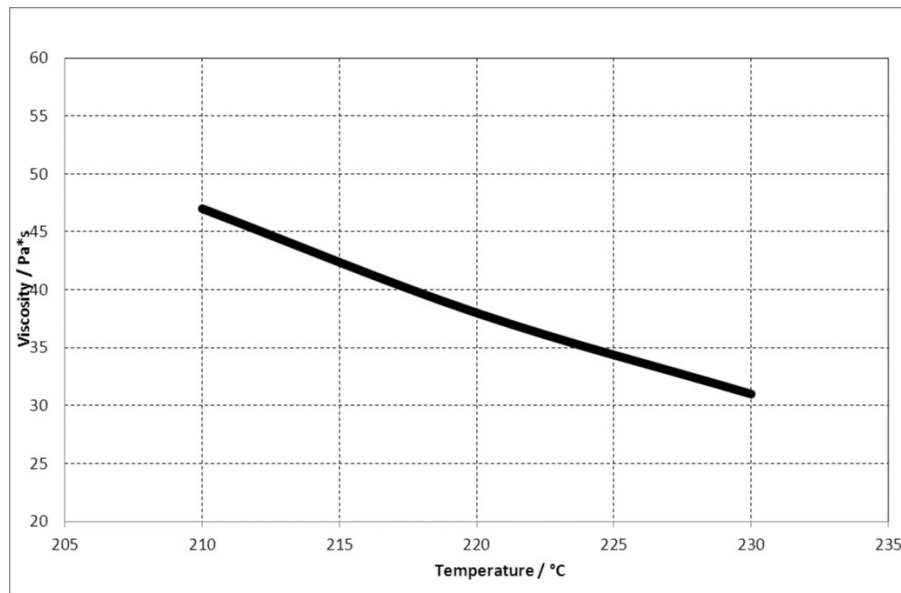
- a high chemical resistance (mineral oil and diesel vapours)
- a high thermal resistance, compatible with paper curing temperatures
- a high elasticity, that assures the integrity of the filter during all production steps

#### TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	M.U.	VALUE	
Density	ISO 1183	g/cm <sup>3</sup>	1,11	
Melting temperature	ISO 11357-3	°C	183	
Elongation at break	ISO 527	%	> 500	
MFI	210°C, 0.325kg	ISO 1133	g/10 min	27
Viscosity Brookfield	210°C	MI 12	Pa*s	47

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.