

## Technical Data Sheet

### TECHNIPOL® PA 2150

#### DESCRIPTION

TECHNIPOL® PA 2150 is a polyamide-based hot melt adhesive, used in the automotive sector for the production of engine air filters. The product is characterized by a rapid setting-time, an average application temperature, good flexibility, good wettability and good chemical resistance. TECHNIPOL® PA 2150 contains more than 80% of raw materials from renewable sources (non edible).

#### TECHNICAL CHARACTERISTICS

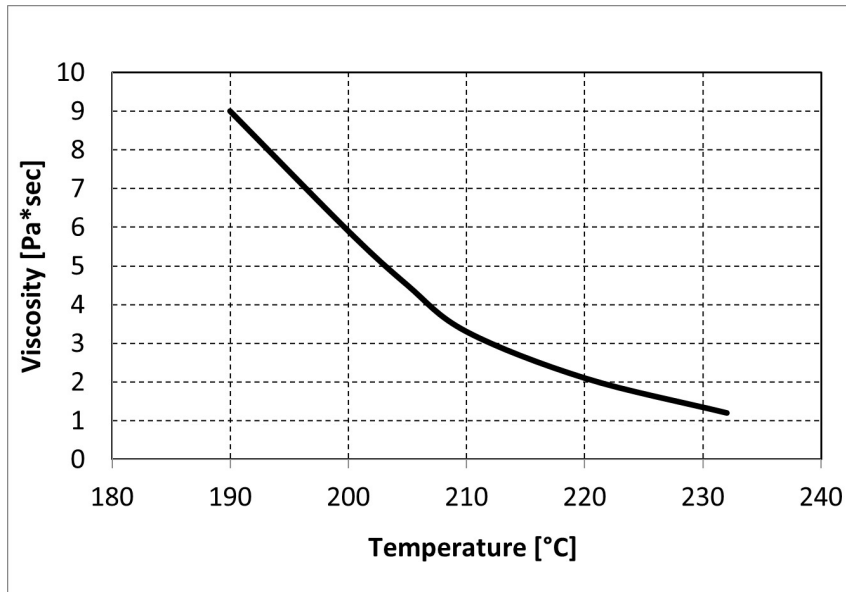
PROPERTY	TEST METHOD	M.U.	VALUE
Density	ISO 1183	g/cm <sup>3</sup>	0,98
Softening point	MI 13	°C	150
Viscosity Brookfield 190°C	MI 12	Pa*s	7,5
Shore D hardness, instantaneous / 15 s	ISO 868	-	43/35
Elongation at break	ISO 527	%	285
Stress at break	ISO 527	MPa	9,5
Flexural modulus	ISO 178	MPa	61
Renewable source content (calculated according to ASTM D6866)	ASTM D6866	% (Bio C/Total C)	86

Cone/ plate Viscometer, Model Brookfield CAP 2000+.

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#### VISCOSITY vs TEMPERATURE CURVE



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#### PROCESSING CONDITIONS

Suggested temperature profile for extrusion

UNDER HOPPER	FEEDING ZONE	COMPRESSION ZONE	METERING ZONE	EXTRUSION DIE/ HOSE	NOZZLE
50-80	110-140	150-170	180-200	180-200	190-210

Suggested temperature profile for melters

PRE-HEATING GRID	TANK	HOSE	NOZZLE
175-185	200-210	210-220	210-220

#### 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 big bags.

#### STORAGE

Product is stable for 24 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.