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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® 232

DESCRIPTION

TECHNIPOL® 232 is an experimental co-polyester based thermoplastic adhesive designed for the production of air and oil filters in the automotive industry. TECHNIPOL® 232 is an innovative development of TECHNIPOL® 32 which, maintaining the performances of TECHNIPOL® 232, achieves the double goal of a raw material cost reduction combined with a significant progress towards the circular economy model. 50% of monomers used in the synthesis of TECHNIPOL® 232 comes either from renewable sources (derivates of not edible vegetable oils) either from the selection and the treatment of post-consumer wastes. It is characterised by good chemical and thermal resistance and 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/cm³	1,12
Melting temperature		ISO 11357-3	°C	183
Elongation at break		ISO 527	%	> 500
MFI	210°C, 0.325kg	ISO 1133	g/10 min	42
Viscosity Brookfield	210°C	MI 12	Pa*s	37
Renewable source content (calculated according to ASTM D6866)			% (Bio C/Total C)	29
Post-Consumer waste content			%	21

Cone/ plate Viscometer, Model Brookfield CAP 2000+.

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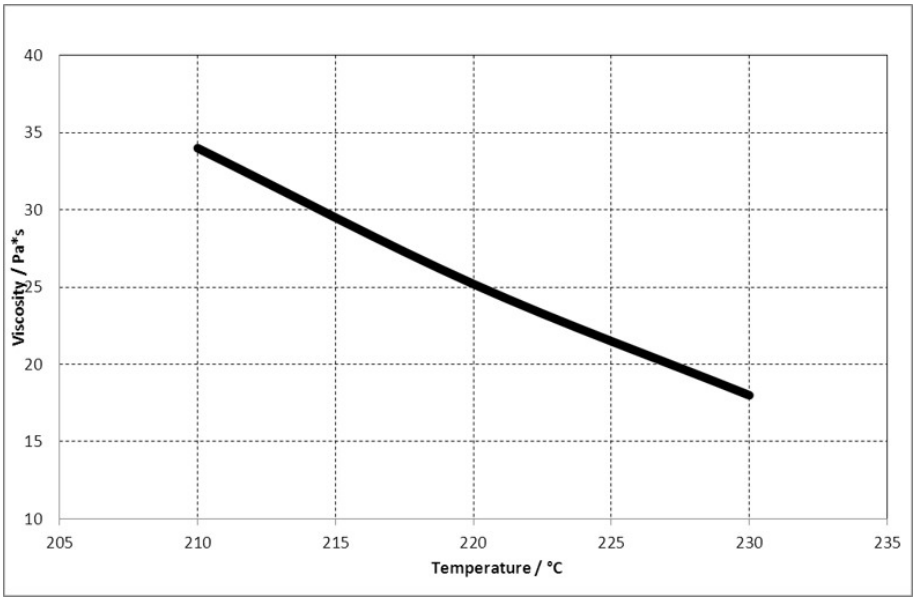
VISCOSITY vs TEMPERATURE CURVE



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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.