"I knew one that when he wrote a letter,
he would put that which was most material in the postscript,
as if it had been a by-matter".

***Francis Bacon** (1561–1626), English philosopher, statesman, and lawyer.*
Essays "Of Cunning".

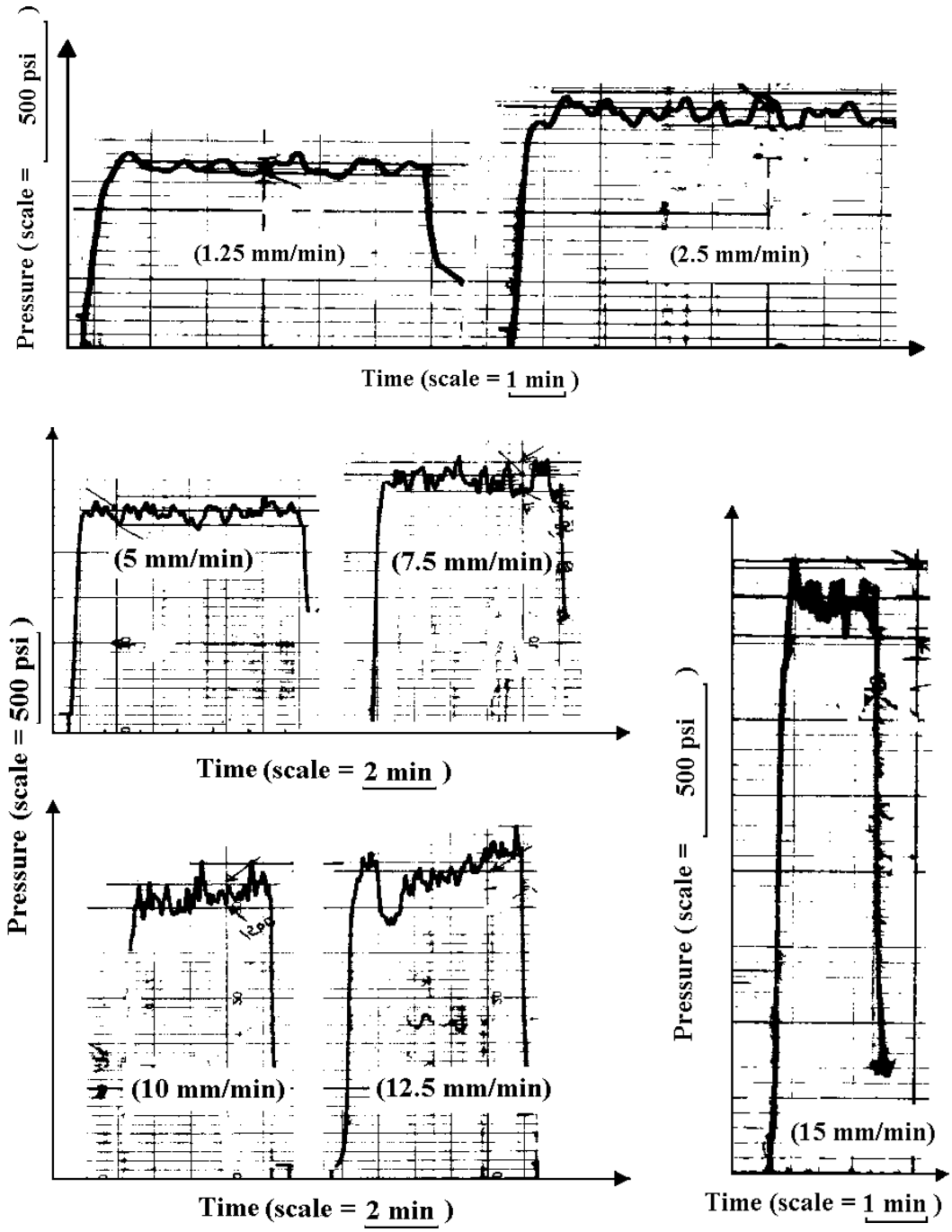
APPENDICES

Appendix No. 1

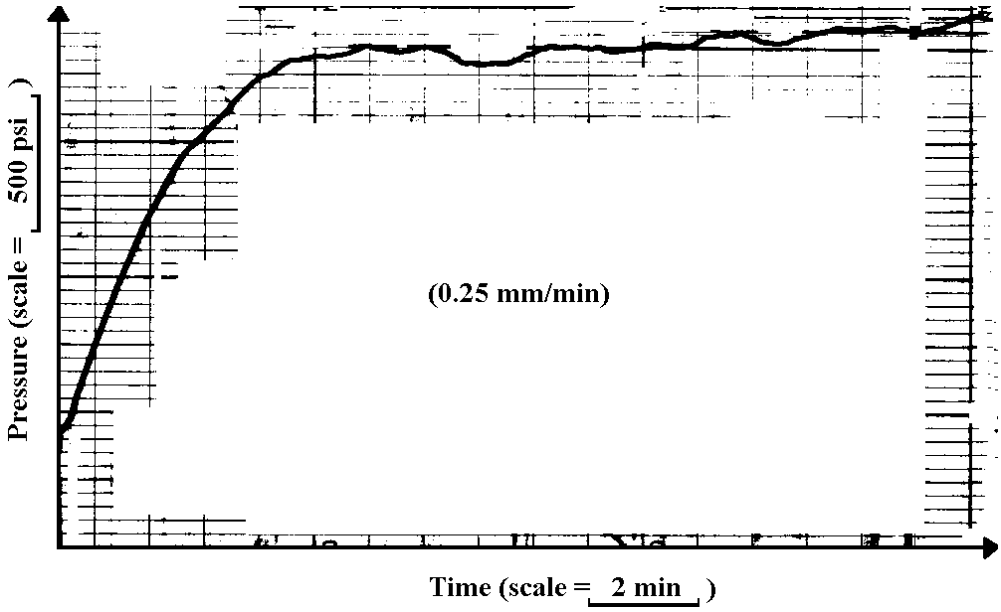
Behaviour of pressure with respect to time during the rheometry analysis of the PANIPOL^{TM} samples

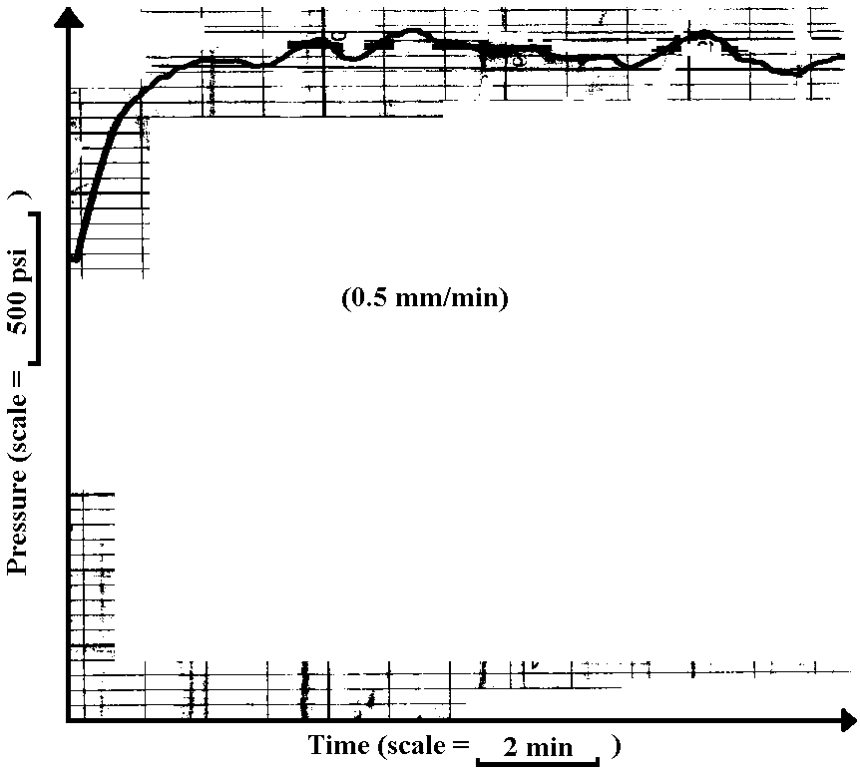
The extrusion temperature corresponding to all the presented data is 100°C. The piston drive speed is indicated between brackets. Conversion factor: 1 psi = 6.895 x 10^3 N/m^2. 1 N/m^2 = 1 Pa. In all the charts, the lowest level of pressure is zero.

PANIPOL^{TM}1

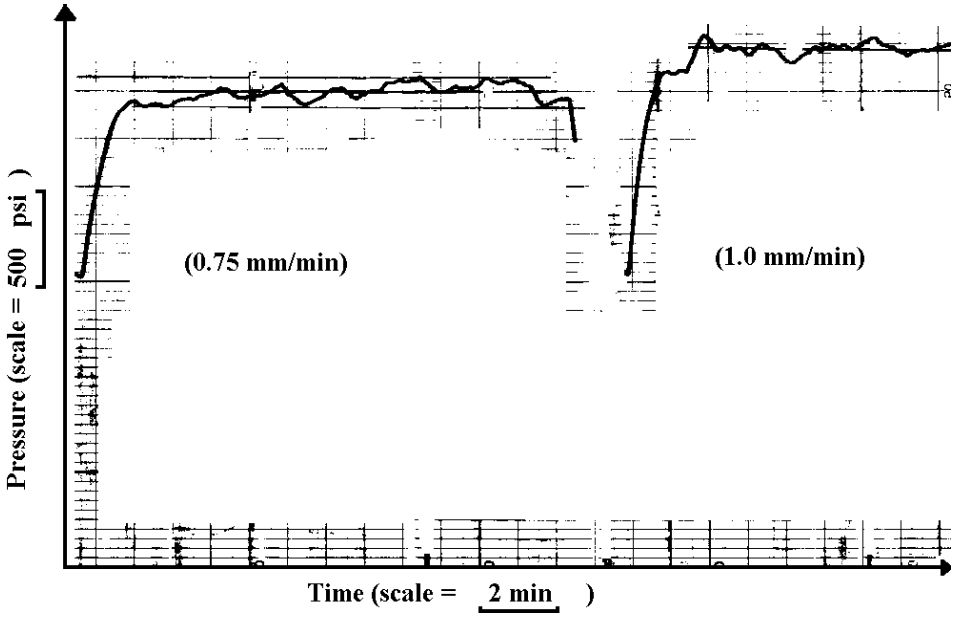


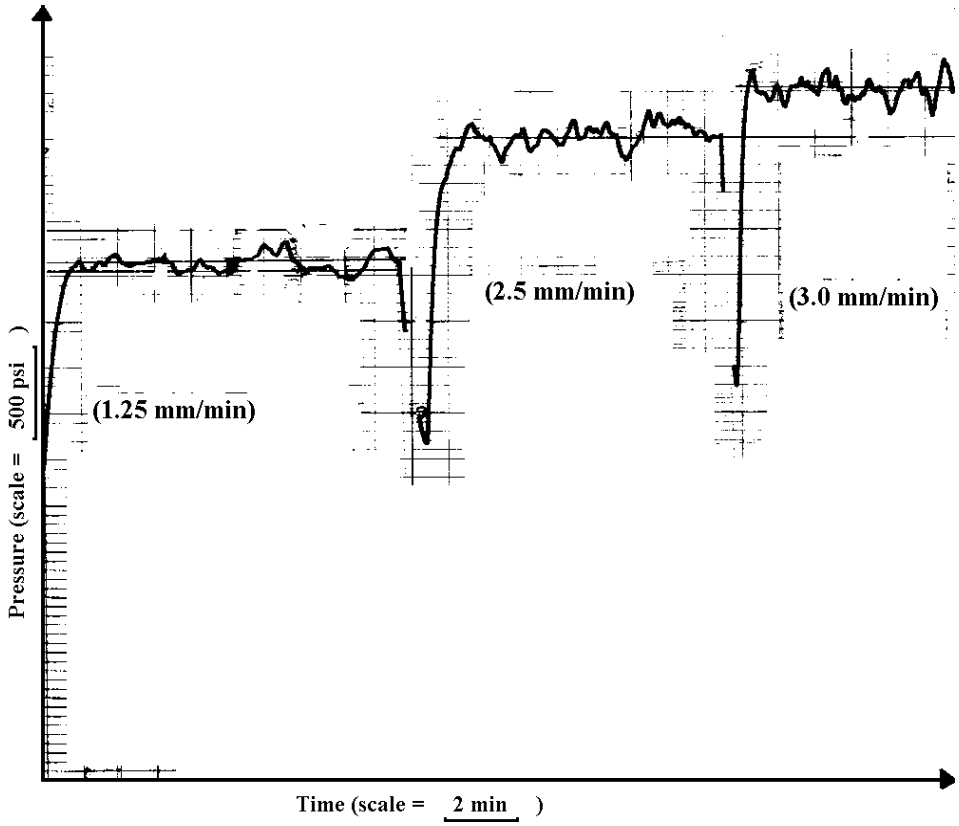
PANIPOL™2


Pressure (scale = 500 psi)
(0.25 mm/min)
Time (scale = 2 min)

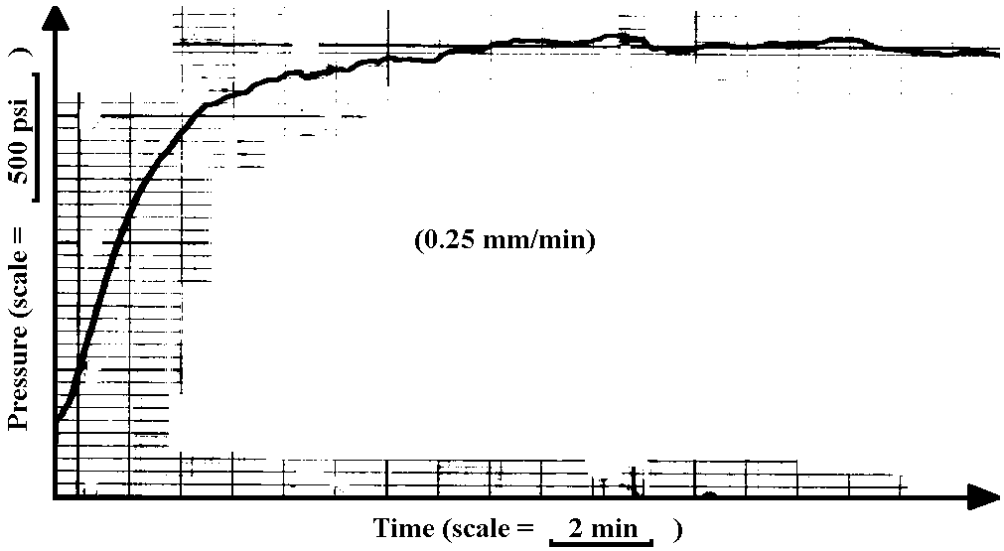

Pressure (scale = 500 psi)
(0.5 mm/min)
Time (scale = 2 min)

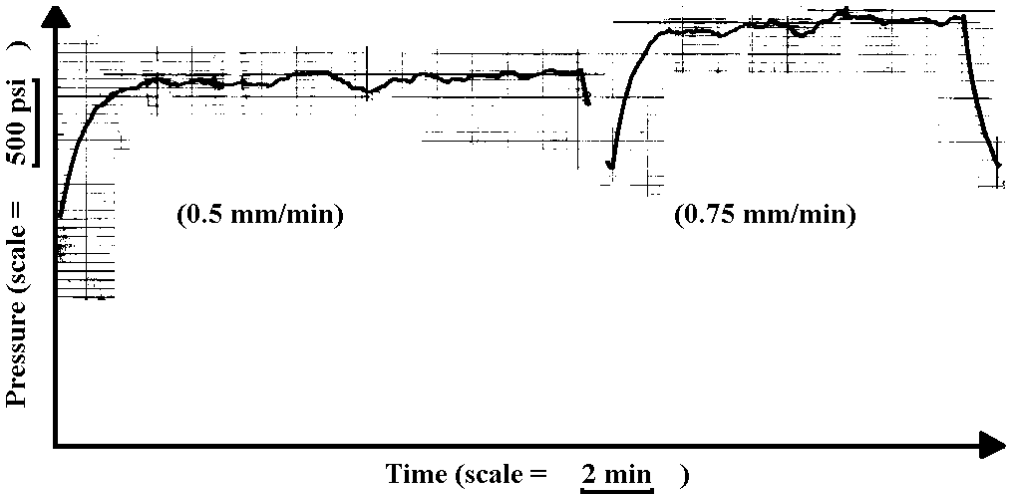
PANIPOL™2


Pressure (scale = 500 psi)
(0.75 mm/min)
(1.0 mm/min)
Time (scale = 2 min)

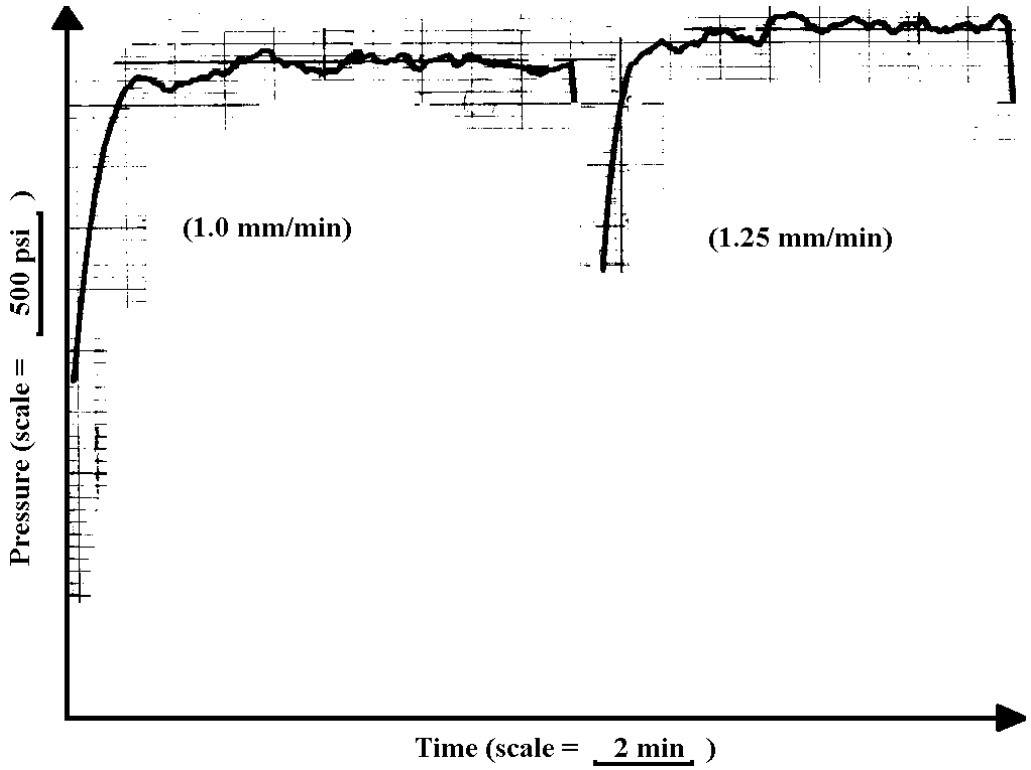

Pressure (scale = 500 psi)
(1.25 mm/min)
(2.5 mm/min)
(3.0 mm/min)
Time (scale = 2 min)

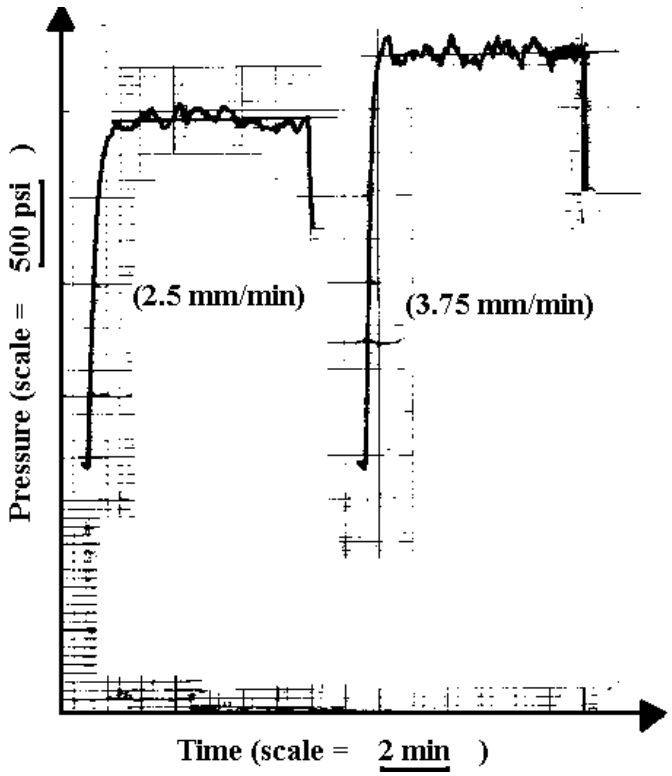
PANIPOL™3


Pressure (scale = 500 psi)
(0.25 mm/min)
Time (scale = 2 min)


Pressure (scale = 500 psi)
(0.5 mm/min)
(0.75 mm/min)
Time (scale = 2 min)

PANIPOL™3


(1.0 mm/min)
(1.25 mm/min)
Pressure (scale = 500 psi)
Time (scale = 2 min)


(2.5 mm/min)
(3.75 mm/min)
Pressure (scale = 500 psi)
Time (scale = 2 min)

Appendix No. 2

Test currents used by the 614 Keithley electrometer during the resistance readings [180]

RESISTANCE RANGE	TEST CURRENT
2 kΩ	100 μA
20 kΩ	100 μA
200 kΩ	10 μA
2 MΩ	100 nA
20 MΩ	100 nA
200 MΩ	100 nA
2 GΩ	100 pA
20 GΩ	100 pA
200 GΩ	100 pA

Appendix No. 3

Research products