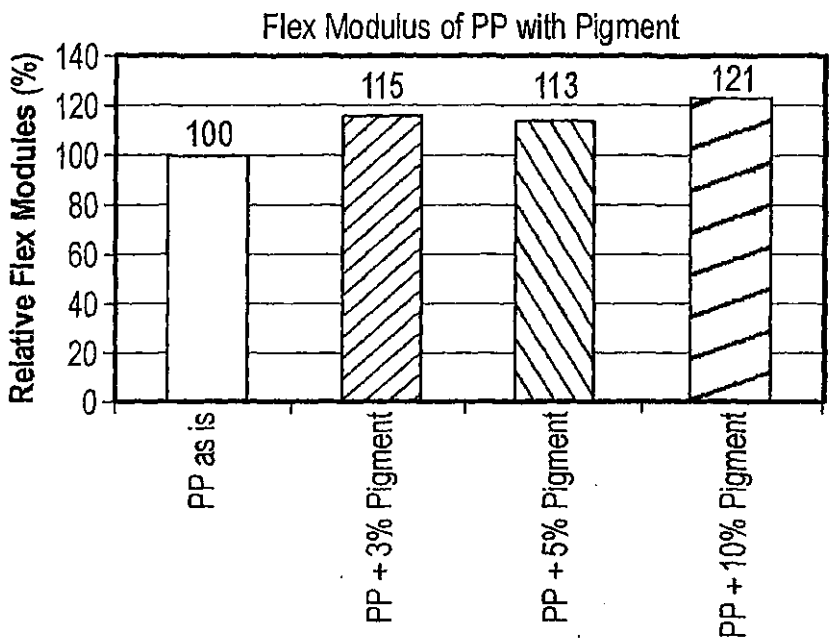

Flex Modulus of PP with Pigment
Relative Flex Modules (%)
140
120
100
80
60
40
20
0
100
115
113
121
PP as is
PP + 3% Pigment
PP + 5% Pigment
PP + 10% Pigment

FIG. 1

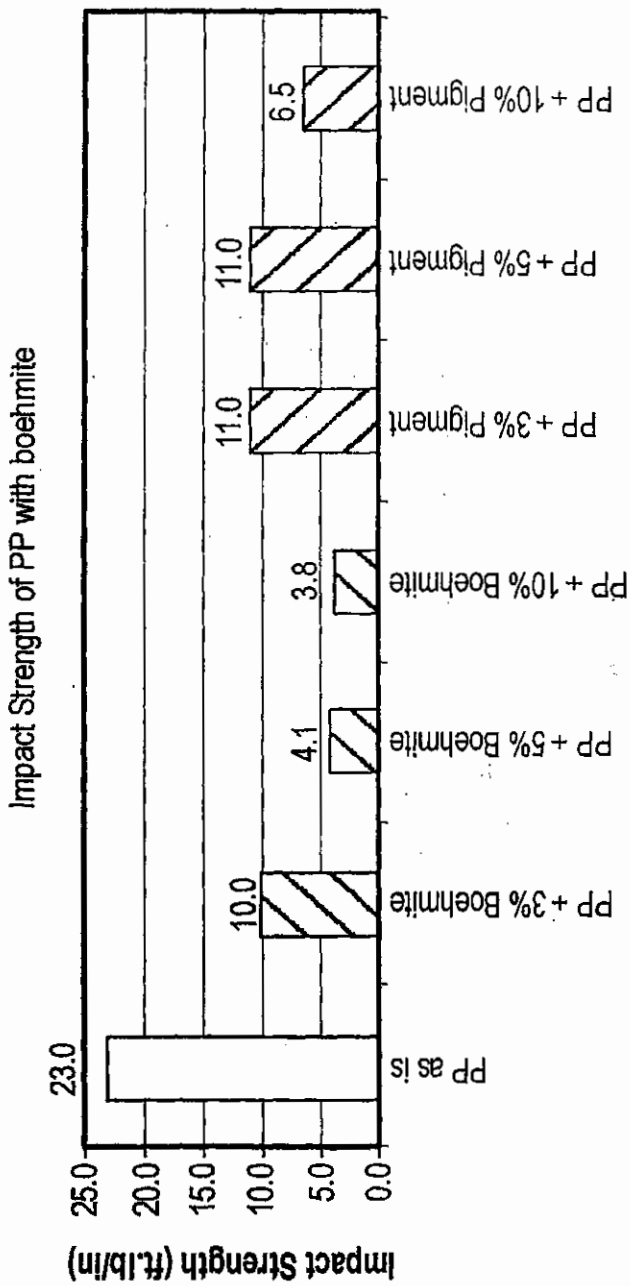

Impact Strength of PP with boehmite
Impact Strength (ft.lb/in)
25.0
20.0
15.0
10.0
5.0
0.0
23.0
10.0
4.1
3.8
11.0
11.0
6.5
PP as is
PP + 3% Boehmite
PP + 5% Boehmite
PP + 10% Boehmite
PP + 3% Pigment
PP + 5% Pigment
PP + 10% Pigment

FIG. 2

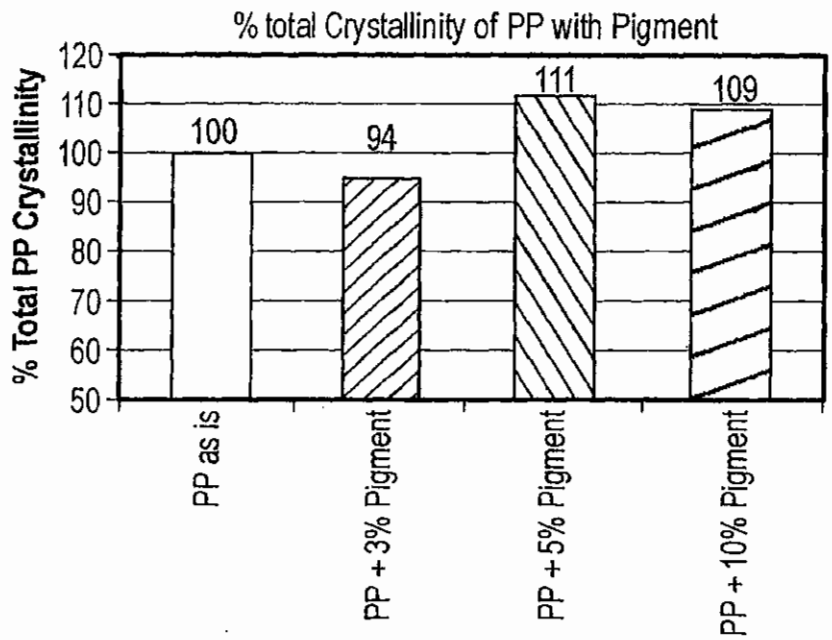

% total Crystallinity of PP with Pigment
% Total PP Crystallinity
120
110
100
90
80
70
60
50
100
94
111
109
PP as is
PP + 3% Pigment
PP + 5% Pigment
PP + 10% Pigment

FIG. 3

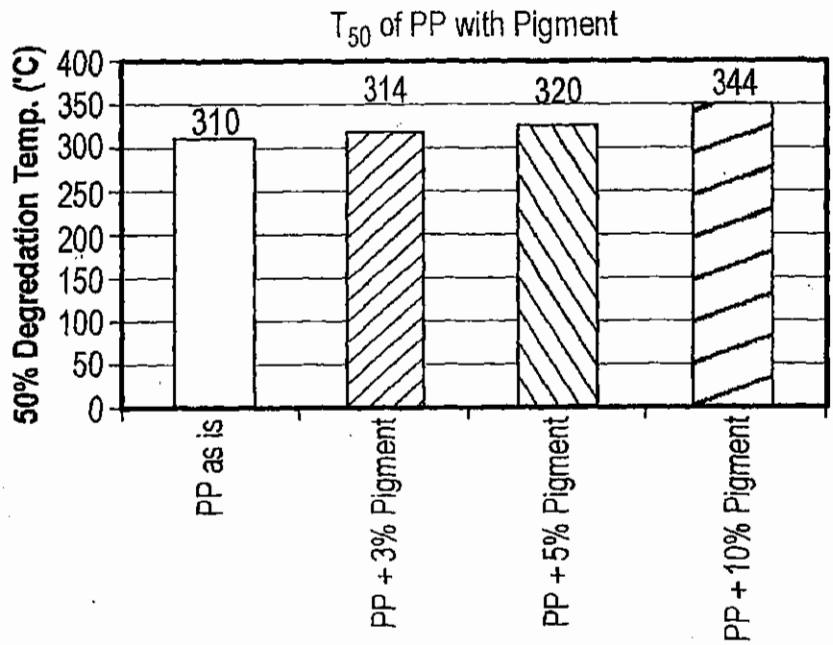

T50 of PP with Pigment
50% Degredation Temp. (°C)
400
350
300
250
200
150
100
50
0
310
314
320
344
PP as is
PP + 3% Pigment
PP + 5% Pigment
PP + 10% Pigment

FIG. 4