

FIG. 1
FTREF of CBC1

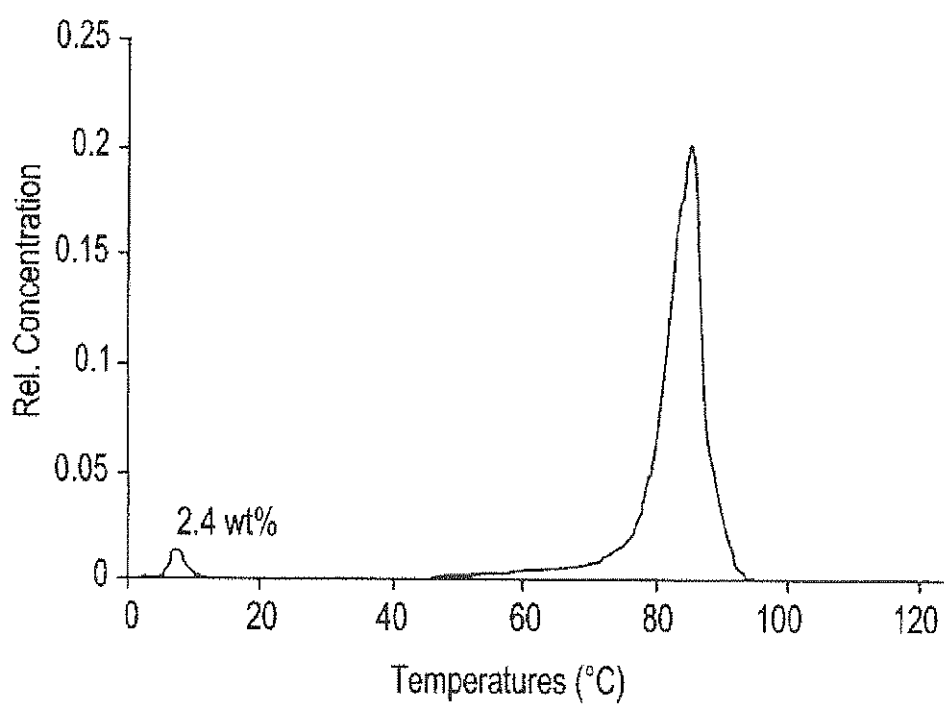


FIG. 2

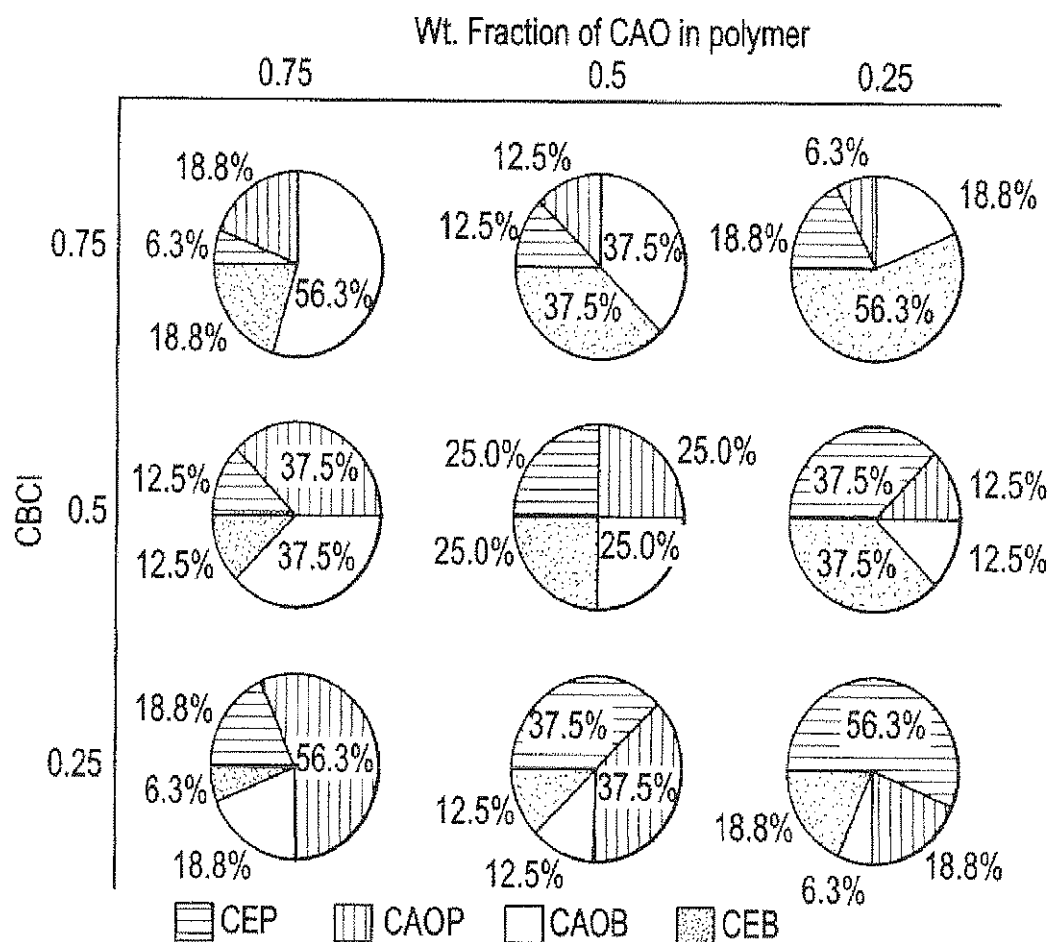


FIG. 3

DSC of CBC1

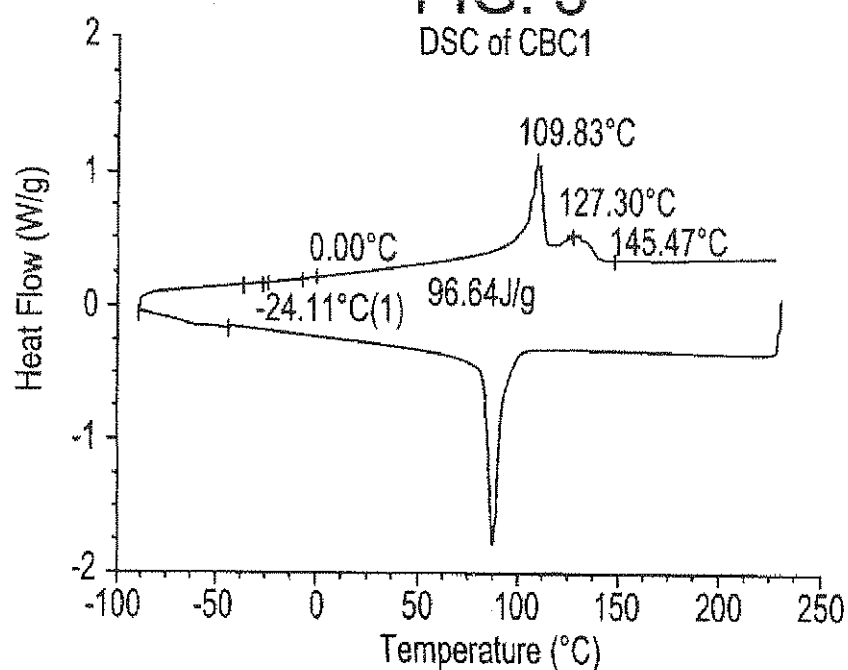


FIG. 4
HTLC of CBC1

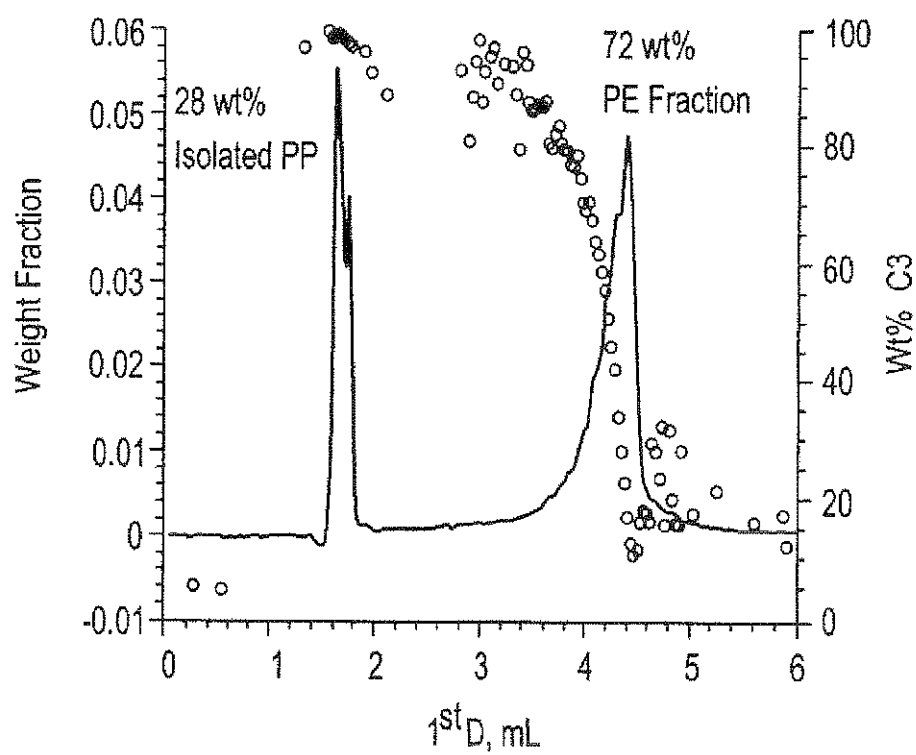


FIG. 5

TEM micrograph of CBC1 at 2 μ m resolution

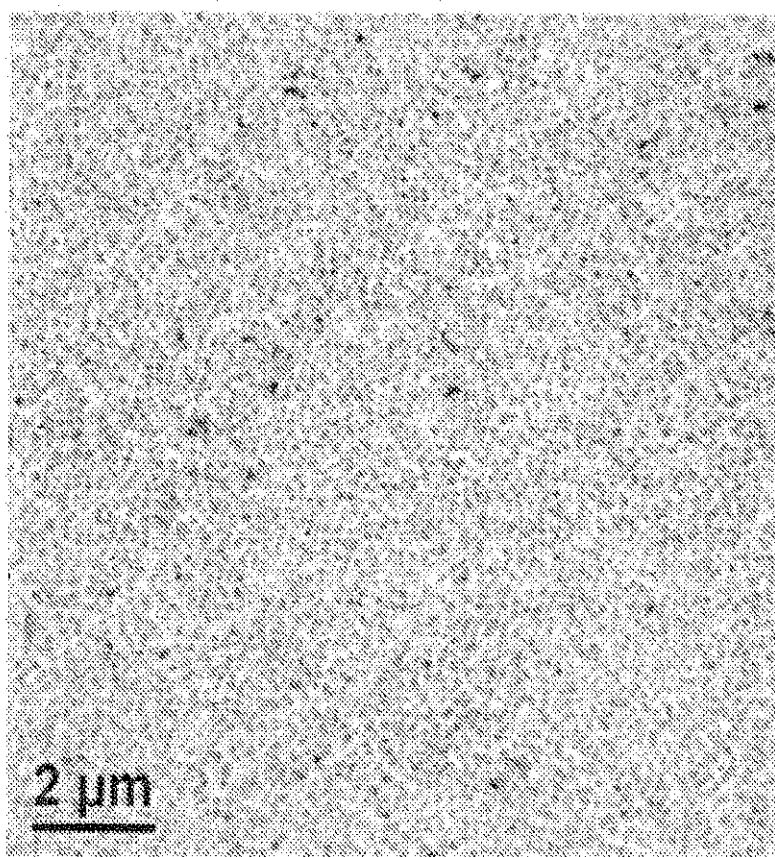


FIG. 6

TEM micrograph of CBC1 at 0.5 μ m resolution

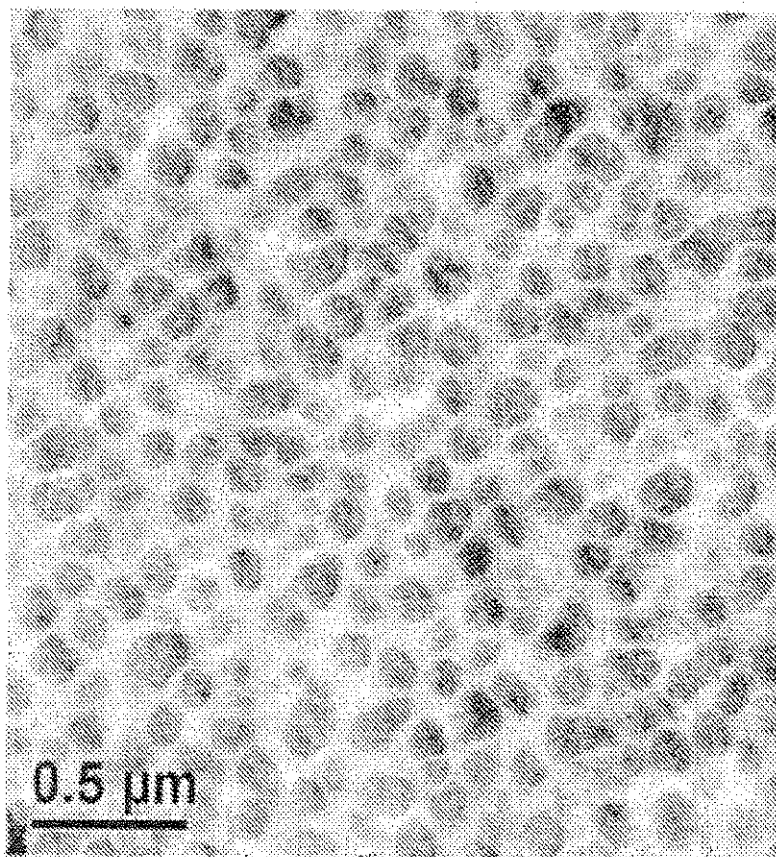


FIG. 7

TEM micrograph of CBC1 at 100nm resolution

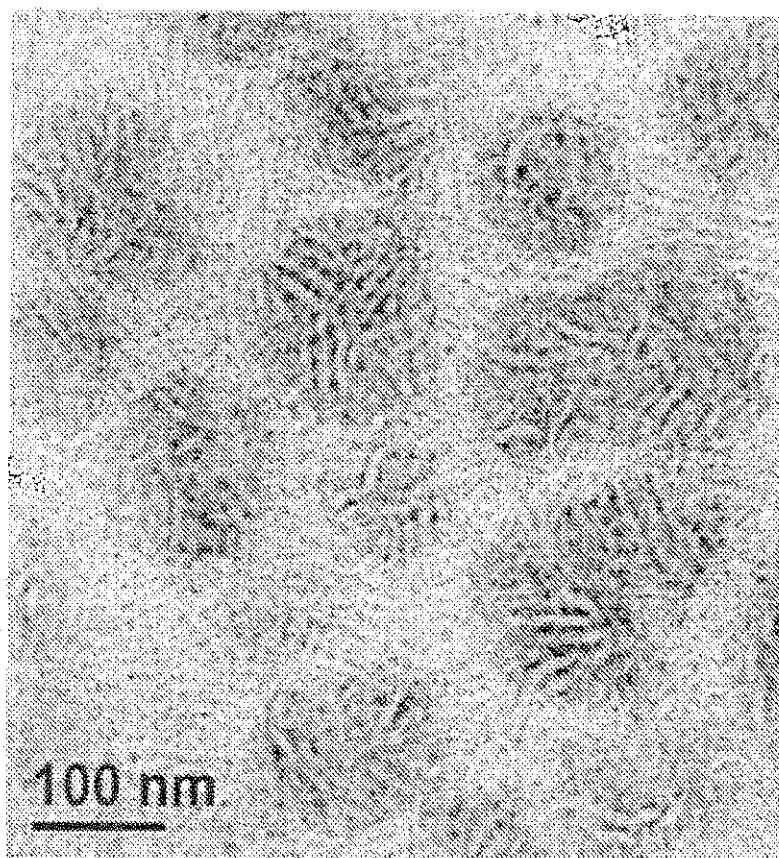
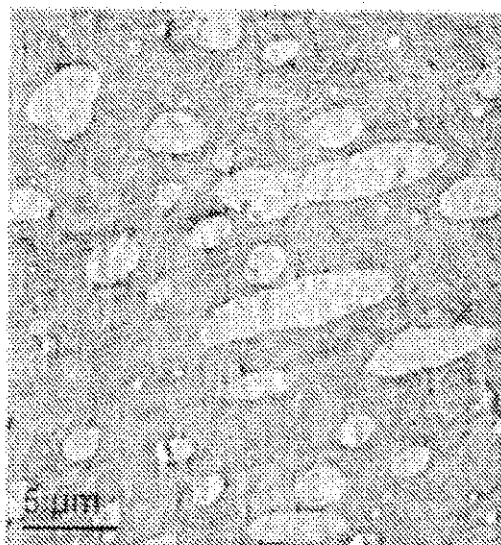


FIG. 8A

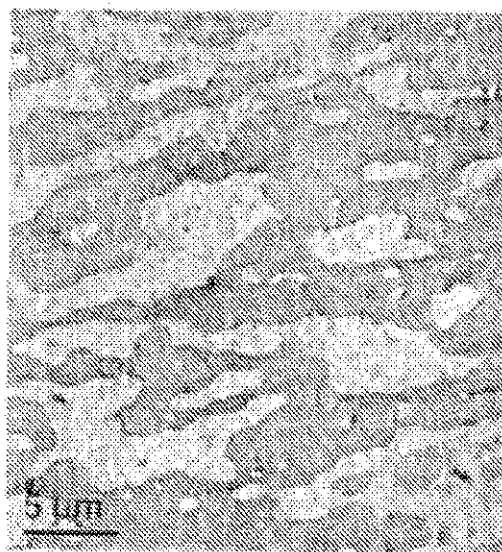
TEM micrograph of HDPE/PP
blend at 5 μ m resolution

Blend A

**FIG. 8B**

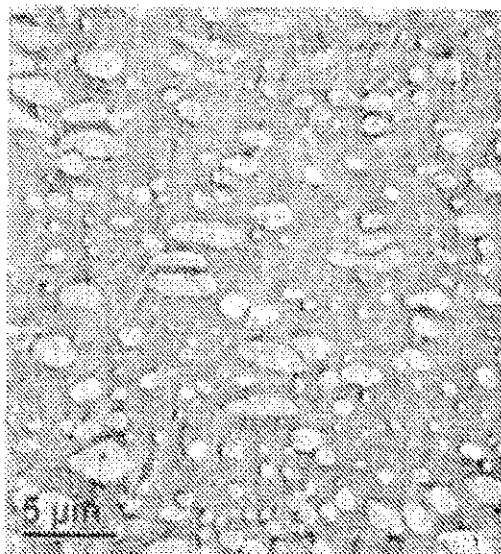
TEM micrograph of HDPE/PP
blend at 5 μ m resolution

Blend B

**FIG. 8C**

TEM micrograph of HDPE/PP
blend at 5 μ m resolution

Blend 3

**FIG. 8D**

TEM micrograph of HDPE/PP
blend at 5 μ m resolution

Blend 4

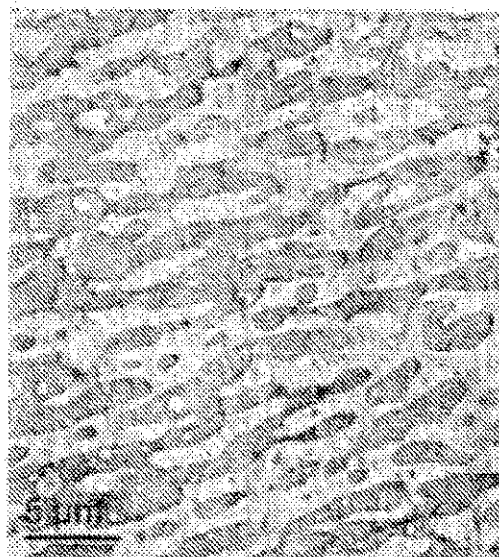


FIG. 9A

TEM micrograph of HDPE/PP
blend at 0.5 μ m resolution

Blend A

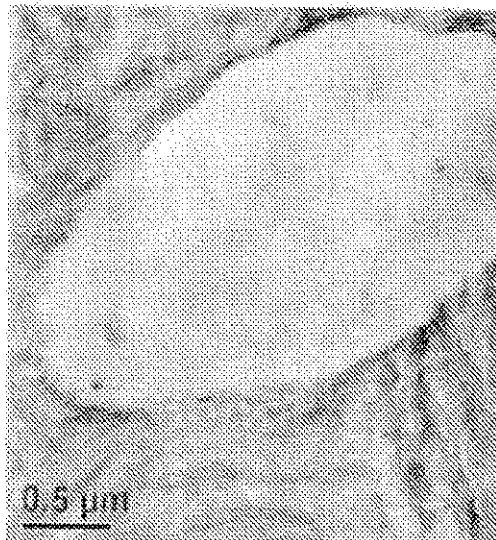


FIG. 9B

TEM micrograph of HDPE/PP
blend at 0.5 μ m resolution

Blend B

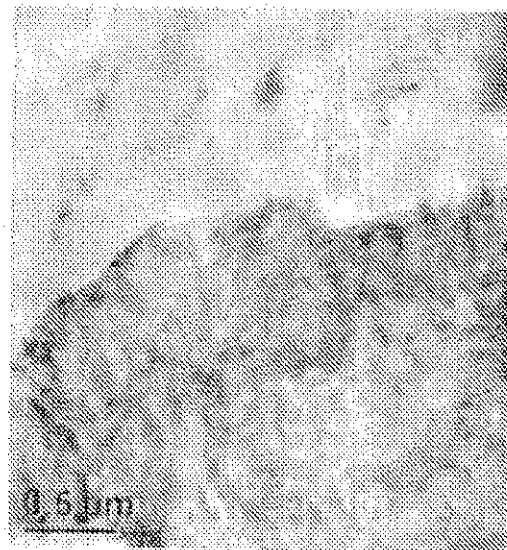


FIG. 9C

TEM micrograph of HDPE/PP
blend at 0.5 μ m resolution

Blend 3



FIG. 9D

TEM micrograph of HDPE/PP
blend at 0.5 μ m resolution

Blend 4

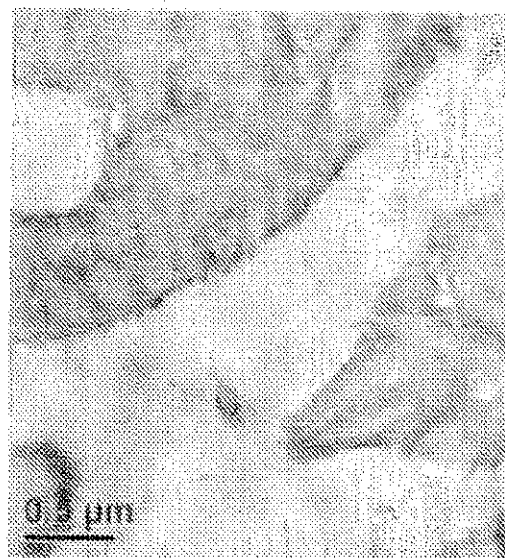


FIG. 10

Thermomechanical Probe Penetration Analysis
Comparison of 20% PP/HDPE Blends

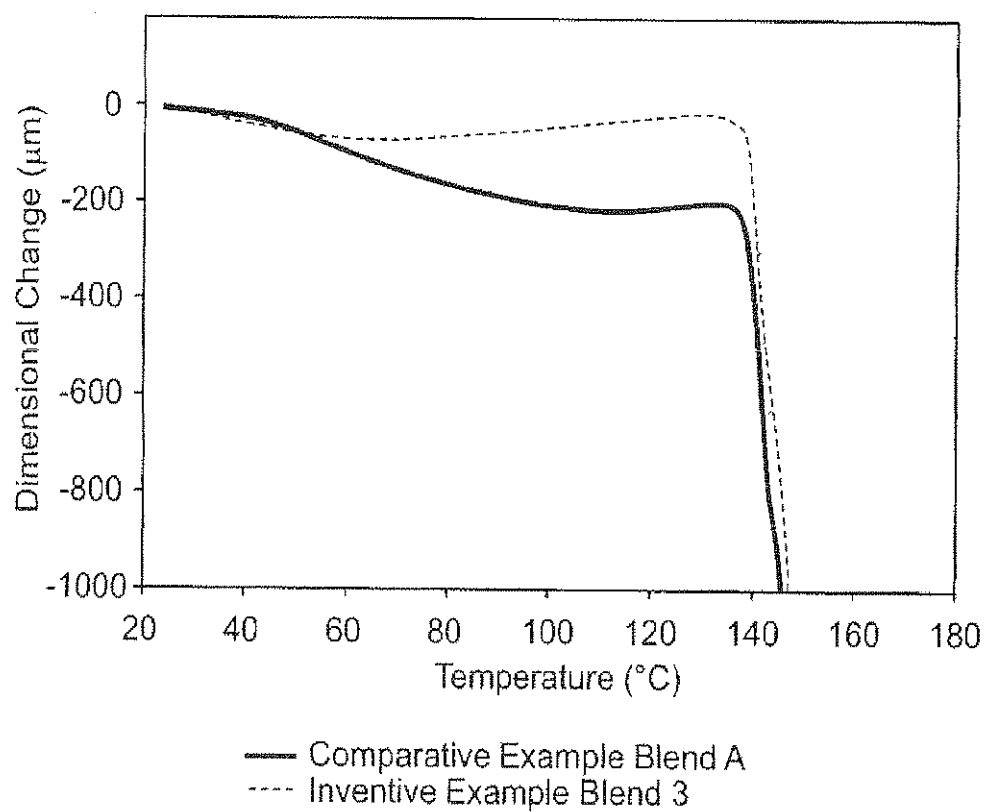


FIG. 11

Thermomechanical Probe Penetration Analysis
Comparison of 40% PP/HDPE Blends

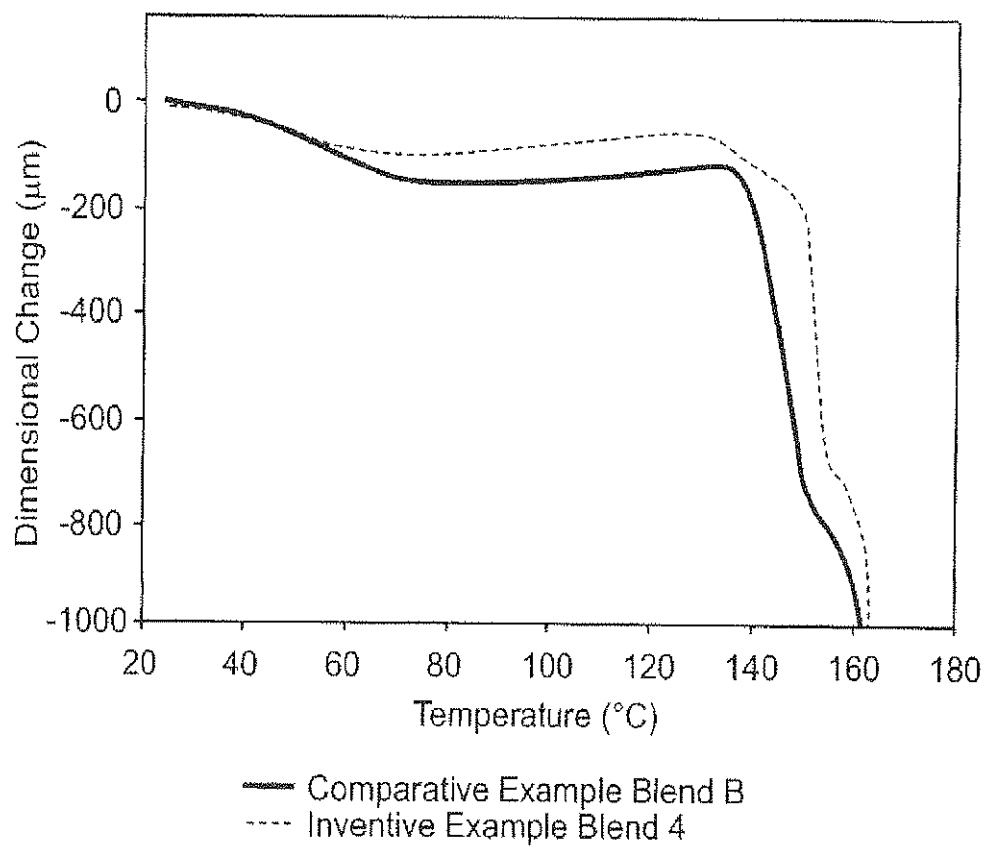
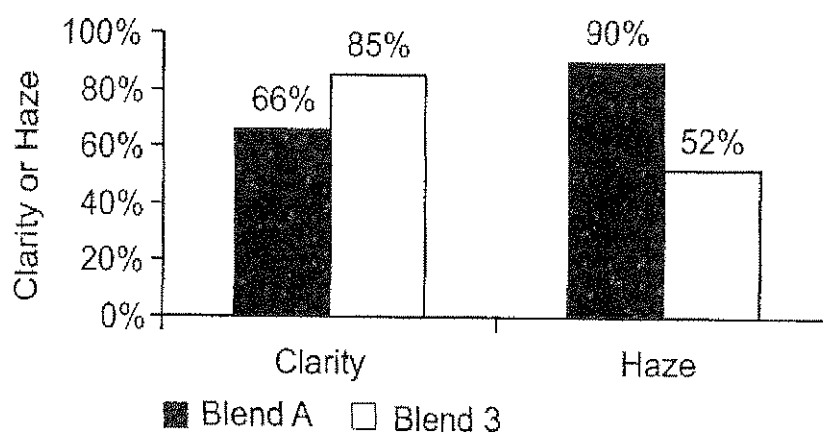


FIG. 12

20%PP/HDPE Blend vs Compatibilized

**FIG. 13**

40% PP/HDPE Blend vs Compatibilized

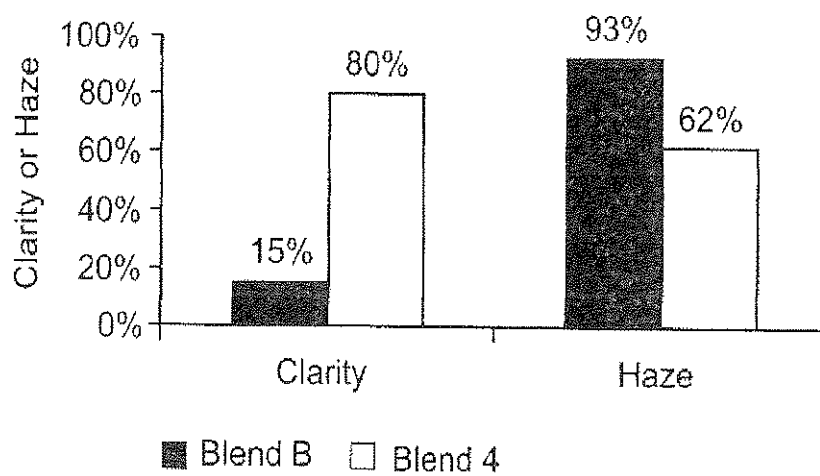


FIG. 14

Modulus at 2% Strain

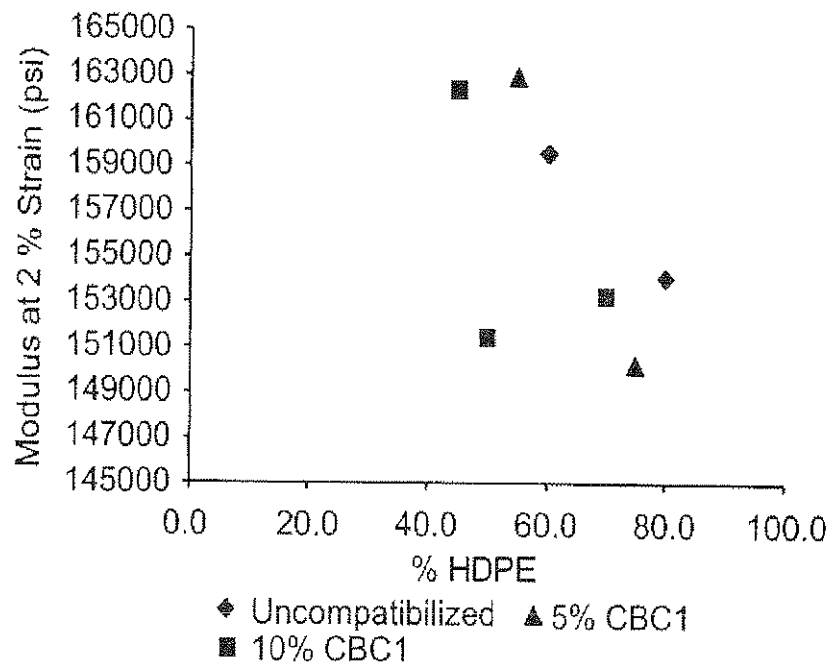


FIG. 15

% Elongation

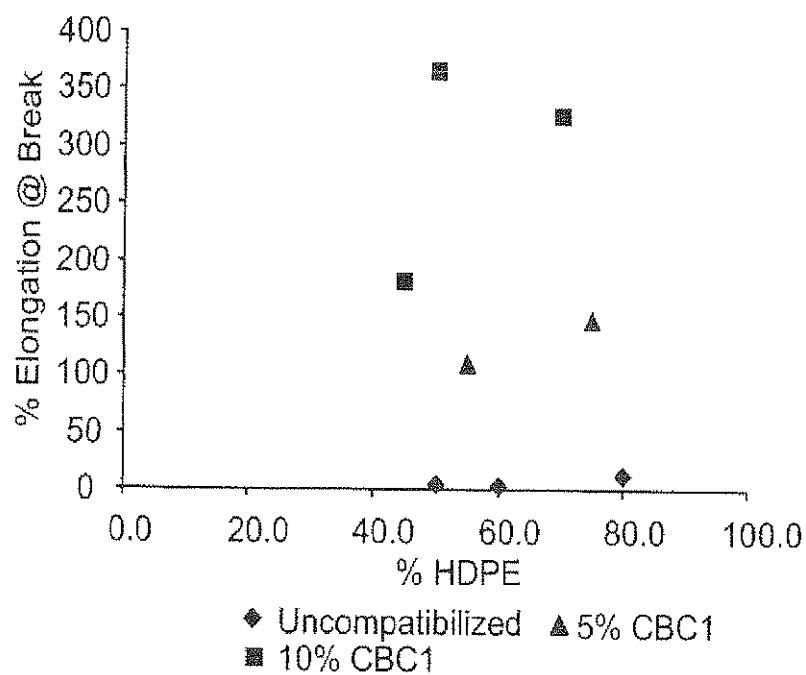


FIG. 16

Stress @ Break

