

6th Global summit on Climate Change

November 19-20, 2018 Paris, France

&ROORLGDO VWDELOLW\ RI HFR IULHQGO\ V
XVLQJ GLIIHUHQW ZDVWH SRO\PHUV IRU GLI

Eco-friendly and sustainable asphalt can be obtained using waste polymers recycled
ELQG XVWU\ DQG FDXVH VHYHUH HQYLURQPHQWDO
studied the effect of waste polymers of different nature and different composition on the
colloidal stability of environmentally friendly asphalt for application in different climatic
HQYLURQPHQWV 7KH ZDVWH KLJK GHQVLW\ SRO\HV
:33 DQG ZDVWH SRO\VW\UHQH :36 ZHUH DGGHG LQ
to study the effect on the colloidal stability of the asphalt formed using the chromatography
FROXPQ DQG +3/& IRU GHWHFWLQJ 6\$5\$ IUDFWLRQ R
showed that the use of polymers of different nature leads to different results. Aliphatic
polymers contribute to the increase of colloidal stability due to the increase of saturates and
DVSKDOWHQH FRQYHUVHO\ SRO\PHUV RI DURPDWLF
stability due to increasing the proportion of aromatic in the mixture in line with solvent
OLNH DV OLNH 7KH UHVHDUFK FRQFOXGHV E\ UHFR
QD WXUH dueu>12.7 <005>bT 9.4 23 445.2589 Tm [<004400560053004B0044004F

Notes: