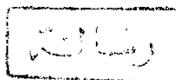


Ain Shams University
University College for Girls
Physics Department



**STUDY OF SOME PHYSICAL AND MECHANICAL
PROPERTIES OF SOME POLYMER AND COPOLYMER
BLENDS**

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In Partial Fulfillment of the Requirements for M.Sc. Degree in Physics

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1998



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Key Words

NBR	Nitrile Rubber
PVC/PVAc	Poly Vinyl Chloride-Vinyl Acetate
DINP	Di-iso Nonyle Phthalate
ZnO	Zinc Oxide
HAF	High Abrasion Furnace Carbon Black
Oil	Naphthenic Oil
S	Sulfur
CBS	N-Cyclo-hexyl-2-Benz-thiazole sulfonamide
TMTD	Tetra methyl Thiuram disulfide
IPPD	N-Isopropyl-p-Phenylene Diamine
ETU	Ethylene Thio Urea
Ca CO ₃	Calcium Carbonate
MH	Maximum Torque
ML	Minimum Torque
Tc90	Optimum Cure Time
Ts2	Scorch Time
CRI	Cure Rate Index
Mpa	Mega Pascal = 10 Kg/cm ²

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