

RA WAX - SPECIAL ANTI - OZONE WAX

Wax is being used as the anti-ozone protection of the Rubber products manufactured from the diene rubbers, viz., NR, SBR, BR, NBR, etc.

RA WAX is the special anti-ozone waxes designed to protect the rubber products against the atmospheric ozone attack by imparting a tough dry film that remains stable on the cured rubber surface.

It is a blend of hydrocarbon waxes with wide molecular weight distribution with a high average

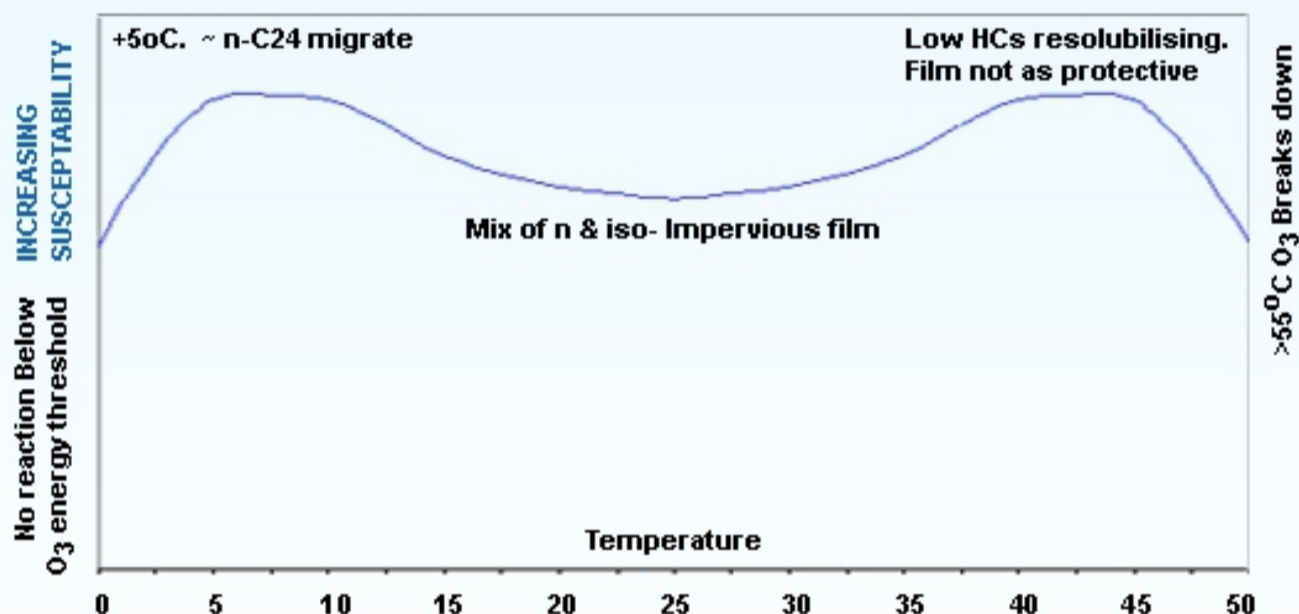
molecular weight giving medium rate of blooming.

Each Hydrocarbon of the wax (i.e) Each individual component of the hydrocarbon wax has its own melting point, viscosity, penetration, etc., and the physical properties of the wax, are an average of the physical properties of all of these components and the migration of these components depend directly on Temperature and inversely proportional to the molecular weight & structure and complexity of the hydrocarbon component.

RA WAX is designed with composition of different hydrocarbon wax component so that it gives sufficient protection over a range of temperatures say from 5 deg.C to 45 deg.C, thereby helps in maintaining the aesthetical appearance of the product as well.

To understand better, please find below the diagram showing the severity of the attack of ozone related to the atmospheric temperatures and the migration temperature of the individual Hydrocarbon Wax component.

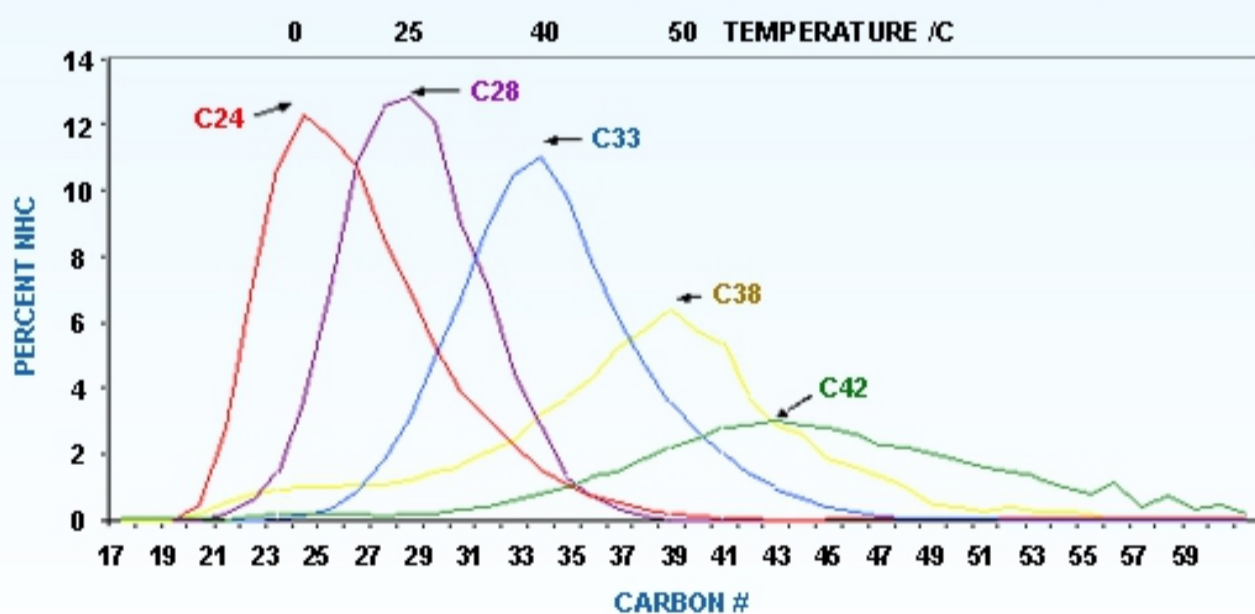
SUSCEPTIBILITY TO OZONE ATTACK



Typical compound - blend waxes to maximize protection at critical temperatures

WAX COMPONENT MIGRATION TEMPERATURES

Normal Hydrocarbon Distribution of Petroleum Waxes



Different grades of RA WAX are available depends on the end requirement. Some of the grades are as follows:

RA WAX 1080

RA WAX 0203

RA WAX 3200

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