

Product Name: TP-90B(tm)

HEXAOXATRICOSANE

Description:

TP-90B™ is a highly compatible plasticizer designed to provide maximum low temperature flexibility to various types of elastomers including natural rubber, SBR, chloroprene, nitrile and epichlorohydrin.

TP-90B is used to develop optimum low temperature flexibility characteristic in fuel hose, wire jacketing, cellular rubber goods, friction compounds and wide variety of molded and extruded products. Used in only moderate concentrations (usually 20-30 phr) it functions effectively without seriously degrading the rubbers physical characteristics. Because of its rapid plasticizing action, TP-90B is also useful for softening slightly scorched stocks with little effect on their ultimate properties.

Suggested Uses:

Automotive molded parts, Automotive shoes & boots, Cellular rubber goods, Electrical jacketing, Friction compounds, Garden hose, Gaskets, Grommets, Hose and tubing, Industrial aprons, Industrial hose & tubing, and Wire & cable

Compatibility:

- Butyl
- Chlorinated rubber
- Epichlorohydrin
- Hydrogenated nitrile
- Natural rubber
- Nitrile
- Polychloroprene
- SBR

Typical Properties:

Acid number	0.05
Butyl Carbitol, %	1.0
Color, Gardner	5
Purity, %	99.0
Refractive Index, 25°C	1.435
Specific Gravity, 25°C	0.97
Viscosity at 25°C, cps	50
Water Content, %	0.1

Performance Properties:

In Nitrile	
Plasticizer, pphr	30.0
Tensile Strength, MPa	14.3
Tensile Strength, psi	2080
Elongation at Break, %	370
Shore A Hardness	58
Low Temp Gehman T10,000 PSI, °C	-54
In SBR	
Plasticizer, pphr	30.0
Tensile Strength, MPa	10.3
Tensile Strength, psi	1500
Elongation at Break, %	380
Shore A Hardness	45
Low Temp Gehman T10,000 PSI, °C	-70

Packaging:

Container	Weight
Bulk	-- kgs
Drum	18 kgs
Tote	-- kgs