

LIBNOL LUBRICANTS								
Grade	Chemical Description	Physical Form	Internal Lubricant	External Lubricant	Melting Point (oC)+5	Use Level (phr)		Applications
						Rigid PVC	Soft PVC	
Libnol G-11	Oleochemical Derivative	Powder	Y		85	0.5-1.5		Compatible internal lubricant for rigid PVC pipes/conduits/profiles, hollow articles and moulded products like fittings.
Libnol G-21	Oleochemical Derivative	Flakes	Y	Y	58	0.5-1.5	0.5-1.5	Intermediate lubricant for rigid PVC pipes, conduits and cable compounds.
Libnol G-121	Oleochemical Derivative	Powder	Y		60	0.5-1.5		Lubricant of medium-grade compatibility for rigid PVC, for use preferably in rigid PVC profiles, fittings synergistic support with Sn-mercaptides.
Libnol G-151	Oleochemical Derivative	Powder	Y		56	0.5-1.0		Release agent for most thermoplastic.
Libnol G-161	Oleochemical Derivative	Liquid	Y			0.5-1.5	0.5-1.0	Compatible internal lubricant for rigid and soft PVC, standard lubricant for rigid PVC films/sheets by calendering
Libnol G-200	Oleochemical Derivative	Flakes		Y	60	0.2-0.5	0.2-0.5	External lubricant for rigid and soft PVC.
Libnol G-211	Oleochemical Derivative	Flakes		Y	72	0.1-0.5	0.1-0.5	External lubricant for rigid and soft PVC especially for Ba-Cd stabilized PVC articles.
Libnol GH-41	Oleochemical Derivative	Powder	Y		74	1.0-1.5		Compatible lubricant for rigid PVC bottles; an excellent synergist besides Sn-mercaptides.
Libnol G-1011	Oleochemical Derivative	Liquid	Y			1.0-1.5	0.5-1.0	Internal all round lubricant for rigid and soft PVC films/sheets, synergistic co-stabilizing properties with Sn-mercaptides.
								Sn-mercaptides.
Libnol G-1291	Oleochemical Derivative	Powder	Y		70	0.5-2.0		Lubricant of higher compatibility for rigid PVC films, fittings, profiles and other Sn-mercaptide stabilized articles, flow improver and internal mould release agent for SBC/SAN/ EVA, Slip agent for ABS.
Libnol G-3211	Oleochemical Derivative	Powder	Y	Y	60	0.5-1.5		All round lubricant for rigid PVC profiles/extrusion and injection moulding, lubricant for polycarbonate.
Libnol G-3221	Oleochemical Derivative	Powder	Y	Y	56	0.5-1.5		All round lubricant for rigid PVC profiles/extrusion and injection moulding, lubricant for polycarbonate.
Libnol G-4011	Wax Ester	Liquid	Y	Y		0.5-1.5	0.5-1.5	Compatible lubricant for rigid & soft PVC, for use in rigid sheets, soft PVC films and cables. Flow improver and internal Mould release agent for SBC/SAN/EVA, Slip agent for ABS
Libnol G-5311	Fatty Alcohol	Flakes	Y		55	1.0-2.0		Internal lubricant for rigid PVC extrusion and injection moulding.
Libnol G-6011	Dicarboxylic Acid Ester	Powder	Y		53	0.5-2.0		Universal internal lubricant for rigid PVC and foamed PVC applicable independently for stabilizing system. Pseudo plasticizer for PVC, flow improver and lubricant for PMMA.
Libnol G-7011	Complex Ester	Powder		Y	55	0.5-0.8		External lubricant for calendered film and rigid PVC fittings.
Libnol G-7411	Complex Ester	Powder		Y	55	0.5-1.0		External lubricant for calendered film with more compatibility, also suggested for Sri-stabilized PVC fittings.
Libnol G-7281	Complex Ester	Powder	Y	Y	54	0.5-1.5	0.5-1.0	Internal and external lubricant for extruded profiles and moulded goods, synergistic co-stabilizing properties with Pb-stabilizers.
Libnol G-7481	Complex Ester	Powder		Y	63		0.5-1.0	External lubricant for extruded profiles and moulded goods, release agent for Polycarbonate, PET/PBT and ABS.
Libnol KT-25	One Pack lubricant system	Powder	Y	Y	105	1.0-2.0		Single lubricant for rigid PVC extrusion.
Libnol CB-50	One Pack lubricant system	Powder	Y	Y	140	0.8-1.2		Composite lubricant with co-stabilising properties for rigid PVC extrusions/injection moulding.
Libnol LC-10	One Pack lubricant system	Powder	Y	Y	100		1.0-2.0	Composite lubricant for PVC cable compounds.
Amisol	Fatty acid ester	Powder	Y		85	1.0-1.5	1.0-1.5	Internal lubricant for rigid PVC extruded/molded products, film, bottles, pipes, fittings etc., for improving flow properties in footwear compounds, cables, gramophone records etc.
Libnol - 40	Fatty acid derivative	Liquid	Y				1.0-2.0	Viscosity depressants for PVC leather cloth.