FINE ORGANICS

Speciality synergist lubricants for PVC

Finalux G 920, Finalux G 925 & Finalux G 930

Specially formulated FINE lubricants can work in synergy with specific stabilizer systems such as Ca-Zn and Tin-stabilizer to offer superior thermal stability. Improved stability can further result in multiple processing benefits including wider processing window, higher output, enhanced end-properties of the product and better surface finish.

Finalux G 920	Finalux G 925	Finalux G 930
For Ca-Zn stabilizer based PVC compounds	For Tin-stabilizer based RPVC compounds	For Tin-stabilizer based PVC/CPVC compounds
Suitable for Non-transparent applications such as RPVC pipes & fittings	**Suitable for Non-transparent** applications such as RPVC & CPVC pipes & fittings	**Suitable for Transparent & Non-transparent** applications such as RPVC films/ sheets & CPVC pipes & fittings

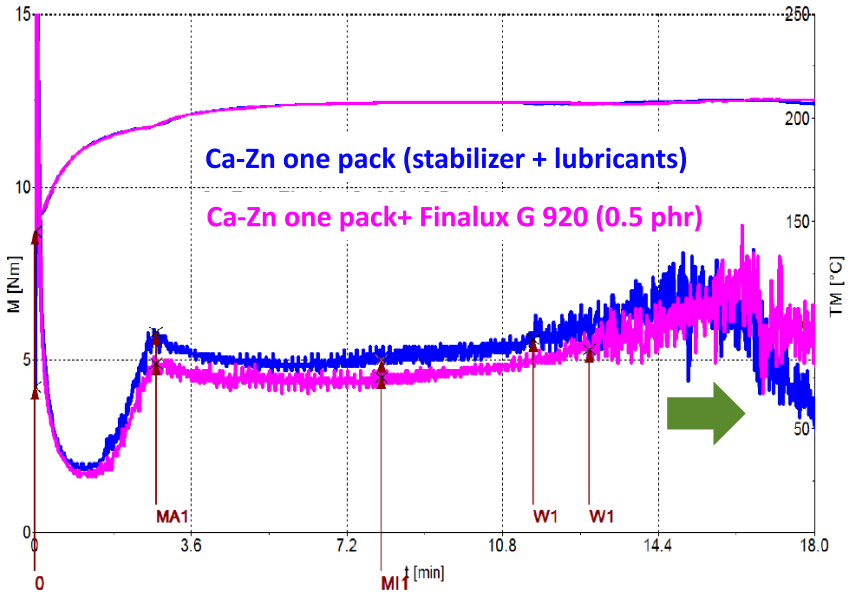
Finalux G 920
Synergistic lubricant for Ca-Zn PVC Compounds to attain improved processability

Components (Loading in phr)	PVC Compound	PVC Compound with Finalux G 920
PVC	100	100
$CaCO_3$	8	8
Ca-Zn Stabilizer one - pack	3	3
Finalux G 920	-	0.5
Performance studies		
Fusion Time, Min.	2.8	2.8
Fusion Torque, Nm	5.8	5.3
Avg. Torque, Nm	5	4.5
Degradation time, mins	11.5	**12.8**

Key benefits of Finalux G 920

Effective static as well as dynamic stability in PVC compounds at optimum dosage levels via Synergistic lubrication effect in Ca-Zn stabilized systems

- Improved processability; thereby, increased output
- Potentially enhanced mechanical properties due to better processing at suitable temperatures



- No effects on fusion time
- Lower average torque & melt viscosity.
- Higher heat stability

Haake rheological profiles overlay of compounds without and with Finalux G 920

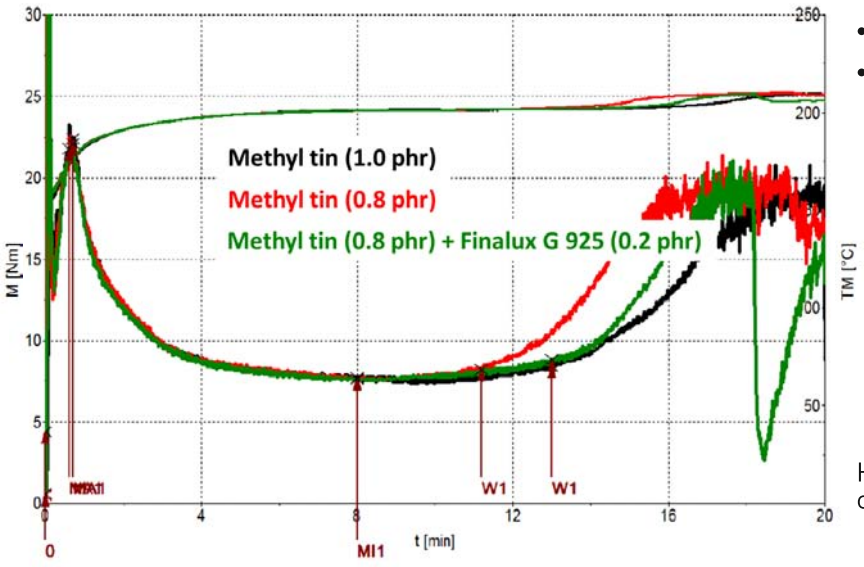
Finalux G 925
Synergistic lubricant for Tin stabilized system for improved thermal stability

Components (Loading in phr)	PVC compound with Tin stabilizer	PVC compound with lower Tin stabilizer dosage	PVC compound with lower Tin stabilizer dosage + Finalux G 925
PVC	100	100	100
$CaCO_3$	5	5	5
Methyl Tin	1	0.8	0.8
Finalux G 925	-	-	0.2
Performance studies			
Fusion Time, Min.	0.7	0.6	0.7
Fusion Torque, Nm	22.4	21.8	22.1
Avg. Torque, Nm	7.6	7.7	7.6
Degradation	13	11.2	**13.5**

Key benefits of Finalux G 925

- Finalux G 925 controls thermal degradation of PVC by functioning as an effective synergistic lubricant; thereby, offers synergistic co-stabilizing performance in Tin stabilizer based RPVC & CPVC formulations.
- Finalux G 925 can offer equivalent thermal stability at lower Tin stabilizer dosage* (~10 to 15%).

*Recommended to optimize the stabilizer loading based on the end requirements.



- Comparable fusion behaviour
- Effective thermal stability observed at optimum stabilizer loading

Haake rheological profiles overlay of compounds without and with Finalux G 925

Finalux G 930
Synergist lubricant with co-stabilizing action for transparent PVC/CPVC applications

Key benefits of Finalux G 930

- Effective co-stabilizing properties in organotin based system
- Stabilizer dosage optimization can bring both – Profit through savings & desired functional benefits
- Suitable for processing of PVC/CPVC compounds at higher temperatures

Specially formulated synergist lubricants Finalux G 920, Finalux G 925 & Finalux G 930 can help in Ca-Zn as well as Tin-stabilized systems to attain maximized processability benefits along with the enhanced end-product properties.

Trusted FINE Additive solutions assuring Profit through Functionality & Savings through Quality

FINE Polymer Additives

Tel: + 91 (22) 2102 5000 Extn.100

Email: info@fineorganics.com | Web: www.fineorganics.com

For Further technical assistance, Please contact our Technical Services Department | Email : info@fineorganics.com