

# FLUID-X

High Performance Wax Additive  
for PVC Pipes & Profiles



## KEY FEATURES

Enhances Weathering  
Resistance

Smooth and Shiny Surface

Improves Mechanical  
Properties

Higher Thermal Stability

Accelerates Fusion &  
Gellation

**FLUID-X** is a processing aid cum lubricant having high thermal stability offering both external and internal lubrication to PVC melt. It is very effective in dispersion of higher contents of calcium carbonate with an increase in the overall gloss and strength.

**FLUID-X** provides considerable anti-sticking properties to the PVC melts achieving a smooth and glossy surface on the end product. It coats the primary particles of PVC & assists the breakdown of particle structures resulting in proper gellation of PVC Compounds.

# PERFORMANCE REPORT

## APPLICATION

- PVC Pipes, Profiles & Sheets
- PVC Cables & Cable Compounds
- PVC Foam Board
- PVC Moulding (rigid)
- PVC Window Profile

## STRENGTH TEST

Formulation	No Breakage	Partial Breakage	Complete Breakage
Pipe with PE Wax	-	✓	-
Pipe with FLUID-X	✓	-	-

## FORMULATION FOR PVC PIPES WITH HIGH FILLER

Ingredients	Standard Formulation (Phr)	FLUID-X
S PVC (K-67)	100	100
Calcium Carbonate	100	100
Laed Stablizer	3.6	2.7
PE Wax	1	0
Stearic Acid	1	0.5
Calcium Stearate	0.8	0.4
FLUID-X	-	1.4

## RESULTS

Ease in Processability & Gloss Lubrication part of FLUID-X provides a wider processing window, such that it reduces the load on the extruder and it improves the surface properties.

