

a <small> addition will make a <BIG> change !



Polycom - F

. PROCESSING AID .

for PVC APPLICATIONS

POLYCOM-F Processing Aid, exclusively developed by our organization has created revolution in entire PVC industry including PVC PIPES, PVC FITTINGS, PANELS, PROFILES, FOAM BOARDS, CARPETS, TILES, MEMBRANES & SHEETS.

Key Advantages:

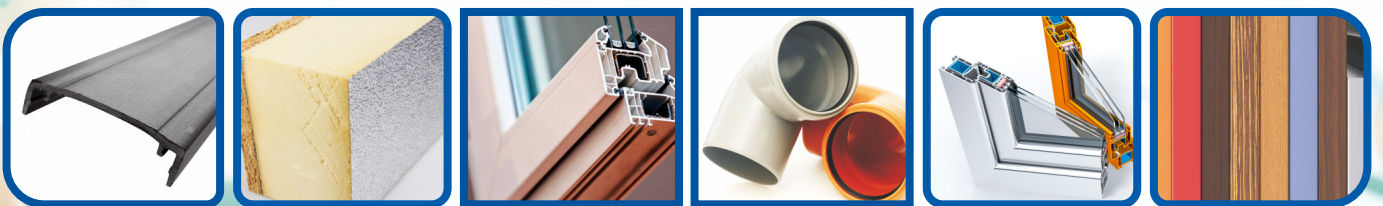
- Accelerates fusion rate & increases productivity.
- Reduces Gelation time without effecting fusion torque.
- Improves homogeneity and dispersion of entire matrix during process.
- Enhances surface finish.
- Avoids carbon deposition on the die.
- Enhances Elongation and strength.
- Compatible with Upvc, Cpvc, Rigid and soft PVC.

DOSAGE RECOMMENDATIONS OF POLYCOM-F IN VARIOUS PVC APPLICATIONS

Dosage	Pvc Injection Moulding	Pvc Pipes	Pvc Profiles	Pvc Panels	Pvc Sheets / Films	WPC	Pvc Foam Board	Pvc Pipes
POLYCOM-F Dosage in PHR	0.75 - 2.0	0.5 - 1.5	1.0 - 2.0	1.0 - 2.0	1.0 - 2.5	2.0 - 5.0	1.0 - 3.0	1.0 - 3.0

Applications

- PVC Pipes ■ PVC Fittings ■ PVC Profiles ■ PVC Panels ■ PVC Sheets
- PVC Foam Boards ■ PVC Films ■ PVC Carpets ■ PVC Tiles ■ PVC Membranes



www.omegaplasto.com

POLYCOM-F REDUCES GELATION TIME, MAINTAINING TORQUE.

BRABENDER® Plastogram

PLASTI-CORDER and Mixer Measuring Head

Fusion Behaviour / Version 4.9.4

Test Conditions

Order: **OMEGA PLASTO LIMITED**
 Operator: **ARVIND PARMAR**
 Date: **26-05-2017 16:15**
 Drive Unit: **Plastograph EC Plus**
 Mixer: **W 50 EHT - 3 Zones**
 Loading Chute: **Manual + 5 kg**
 Sample: **SAMPLE- 148**
 Additive:

Speed : **60 1/min**
 Mixer Temp. : **160 °C**
 Start Temp. : **158 °C**
 Meas. Range : **100 Nm**
 Damping: **3**
 Test Time: **10.00 min**
 Sample Mass: **60.0 g**
 Code Number: **1**

BRABENDER® Plastogram

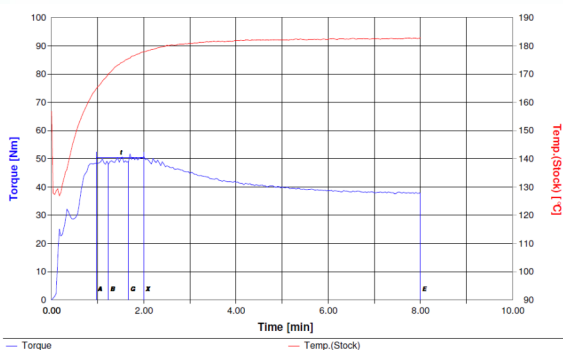
PLASTI-CORDER and Mixer Measuring Head

Fusion Behaviour / Version 4.9.4

Test Conditions

Order: **OMEGA PLASTO LIMITED**
 Operator: **ARVIND PARMAR**
 Date: **27-05-2017 10:43**
 Drive Unit: **Plastograph EC Plus**
 Mixer: **W 50 EHT - 3**
 Loading Chute: **Manual + 5 kg**
 Sample: **SAMPLE- 159**
 Additive:

Speed : **60 1/min**
 Mixer Temp. : **160 °C**
 Start Temp. : **161 °C**
 Meas. Range : **100 Nm**
 Zones Damping : **3**
 Test Time : **8.00 min**
 Sample Mass : **60.0 g**
 Code Number : **1**

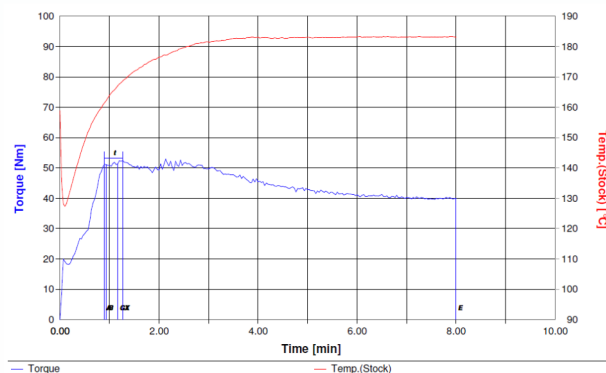


GRAPH 1: STANDARD FORMULATION WITH K175



Graph 1

Formulation: Standard



GRAPH 2: STANDARD FORMULATION WITH POLYCOM - F



Graph 2

Formulation: Trial 1

Results	Standard	Trial 1
Fusion Time T min	1.03	0.37
Gelation Speed V Nm/Min	-4.7	30.1

Note: Above properties may vary from plant to plant, processing skills and raw material used by the manufacturer.



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