

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



## Polycom - P

**PROCESSING AID.**

*for*  
**PVC APPLICATIONS**

**POLYCOM-P** 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:

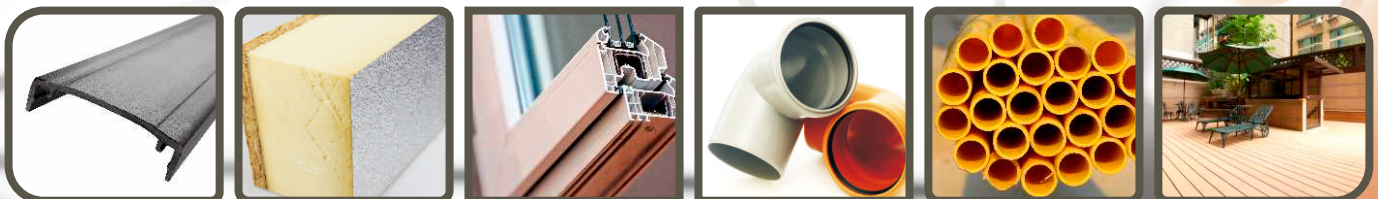
- Accelerates fusion rate & increases productivity.
- Reduces Gelation time without effecting fusion torque.
- Improves homogeneity and dispersion of entire matrix during process.
- Enhances surface finish.
- Avoids carbon deposition on the die.
- Enhances Elongation and strength.
- Compatible with Upvc,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

### DOSAGE RECOMMEDATIONS OF POLYCOM-P IN VARIOUS PVC APPLICATIONS

Dosage	Pvc Injection Moulding	Pvc Pipes	Pvc Profiles	Pvc Panels	Pvc Sheets / Films	WPC	Pvc Foam Board	Pvc Pipes
POLYCOM-P 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



## POLYCOM-P 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**

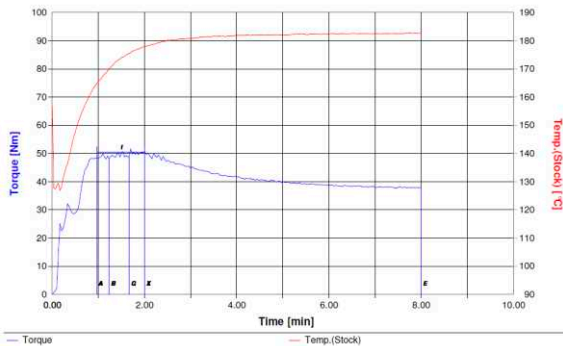
Meas. Range : **100 Nm**

Damping: **3**

Test Time: **10.00 min**

Sample Mass: **60.0 g**

Code Number: **1**



**GRAPH 1: STANDARD FORMULATION WITH K175**



Graph 1

Formulation: Standard

### 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**

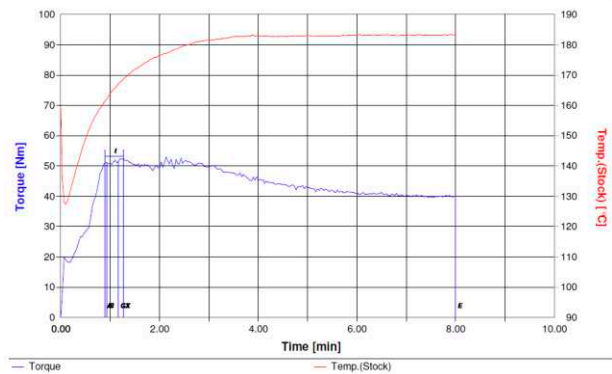
Meas. Range : **100 Nm**

Zones Damping : **3**

Test Time : **8.00 min**

Sample Mass : **60.0 g**

Code Number : **1**



**GRAPH 2: STANDARD FORMULATION WITH POLYCOM - P**



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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