

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



# Polycom - P

## . PROCESSING AID .

### 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:

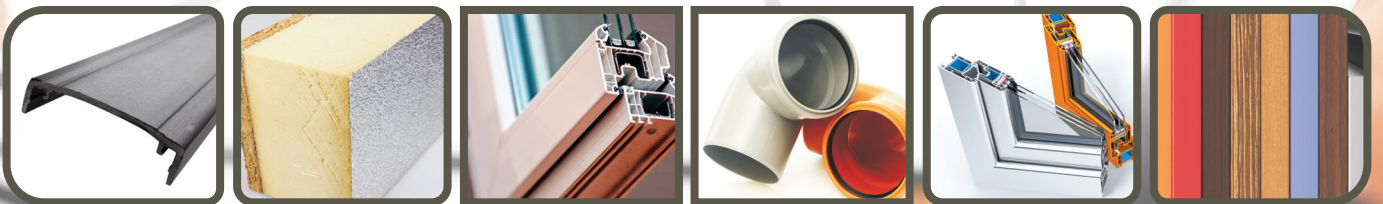
- Accelerates fusion rate & increases productivity.
- Reduces Gelation time without effecting fusion torque.
- Improves homogeneity and dispersion of entire matrix during process.
- Enhances surface finish.
- Avoids carbon deposition on the die.
- Enhances Elongation and strength.
- Compatible with Upvc, 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	WPC	Pvc Foam Board
POLYCOM-P Dosage in PHR	1.0 - 2.0	0.5 - 1.5	1.0 - 2.5	1.0 - 2.5	1.0 - 2.5	2.0 - 4.0	1.0 - 2.0

#### Applications

- PVC Pipes ■ PVC Fittings ■ PVC Profiles ■ PVC Panels ■ PVC Sheets
- PVC Foam Boards ■ PVC Carpets ■ PVC Tiles ■ PVC Membranes ■ PVC Door & Door Frames



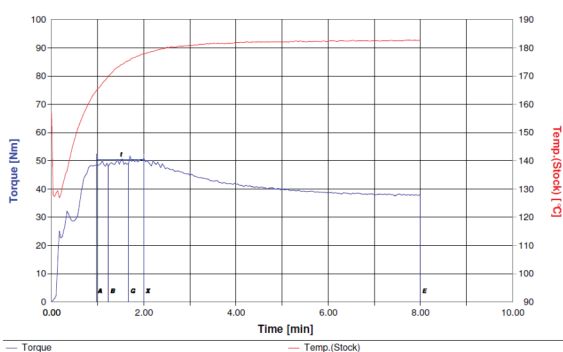
www.omegaplasto.com

## 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**      Speed : **60 1/min**  
 Operator: **ARVIND PARMAR**      Mixer Temp. : **160 °C**  
 Date: **26-05-2017 16:15**      Start Temp. : **158 °C**  
 Drive Unit: **Plastograph EC Plus**      Meas. Range : **100 Nm**  
 Mixer: **W 50 EHT - 3 Zones**      Damping: **3**  
 Loading Chute: **Manual + 5 kg**      Test Time: **10.00 min**  
 Sample: **SAMPLE- 148**      Sample Mass: **60.0 g**  
 Additive:      Code Number: **1**



**GRAPH 1: STANDARD FORMULATION WITH K175**

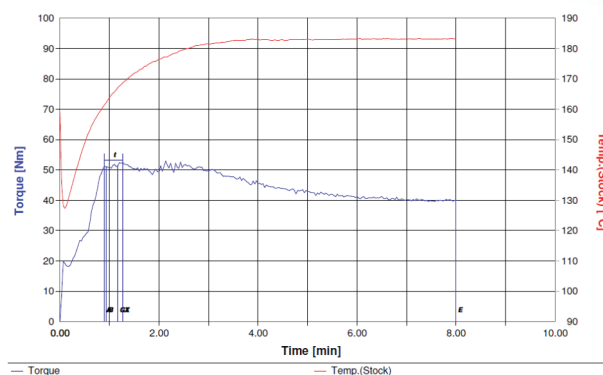


Graph 1  
 Formulation: Standard

**BRABENDER® Plastogram**  
**PLASTI-CORDER and Mixer Measuring Head**  
 Fusion Behaviour / Version 4.9.4

Test Conditions

Order: **OMEGA PLASTO LIMITED**      Speed : **60 1/min**  
 Operator: **ARVIND PARMAR**      Mixer Temp. : **160 °C**  
 Date: **27-05-2017 10:43**      Start Temp. : **161 °C**  
 Drive Unit: **Plastograph EC Plus**      Meas. Range : **100 Nm**  
 Mixer: **W 50 EHT - 3**      Zones Damping : **3**  
 Loading Chute: **Manual + 5 kg**      Test Time : **8.00 min**  
 Sample: **SAMPLE- 159**      Sample Mass : **60.0 g**  
 Additive:      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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