**OMNIA TECHNOLOGIES srl**

Static Mixing Technology

Please, fill in the form and send to: **info@omniatechnologies.net**

|  |  |
| --- | --- |
| **TECHNICAL DATA SHEET FOR MIXER DIMENSIONING**  **- EXTRUSION – type SMS/ SMB-S / SMB-R /SMV /KHT** | |
| Contact: | e-mail: |
| Company: | DATA: |
| Application/Project: | |
| OFFER INFORMATION | |

**EXTRUSION PROCESS:**

Foils/Sheets Pipes Profiles Fibres

Coating Blow film Blow moulding Foam extrusion

Monofilament Cast or strect film Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PROCESSING CONDITIONS:**

Type of polymers: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Component | | 1 | 2 | 3 | Unit of measure |
|  |  |  |
| Physical state | |  |  |  |
| Flow | Min. |  |  |  | Kg/h |
| Max. |  |  |  |
| Density | |  |  |  | Kg/m3 |
| Viscosity |  |  |  |  | Pas |
| Temperature | |  |  |  |  |
| Pressure | |  |  |  |  |

Indicative melt temperature and pressure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Screw diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Max allowable drop (bar): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum length for static mixer available (mm):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**MIXING PROBLEM TO BE SOLVED (or to reduce):**

Homogenize the temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Homogenize the coloring/additives:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Elimination of gels in film and/or thin tubes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ADDITIONAL INFO:**

Flow curve of the polymer processed enclosed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Drawing/sketch of connections if a complete housing is required : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

MOUNTING: Horizzontal Vertical

REMOVABLE MIXING ELEMENTS: Yes Not

HOUSING: Yes Not FLANGES: Yes Not