

Enabling us to give you a perfect solution  
please fill in the following items and mail to [il@larta.com](mailto:il@larta.com).  
We contact you immediately.

**stamixco**

## Injection Moulding Mixing Nozzle SMN

Technical Data sheet for Mixer Dimensioning

### 1. YOUR COMPANY INFORMATION

|          |  |      |  |         |
|----------|--|------|--|---------|
| Name     |  |      |  | Date    |
| Phone    |  |      |  | Fax     |
| E-Mail   |  |      |  |         |
| Company  |  |      |  | Street  |
| Zip-Code |  | City |  | Country |

### 2. BENEFITS DESIRED

|                                                   |  |                                     |  |
|---------------------------------------------------|--|-------------------------------------|--|
| Reduced Spots                                     |  | General Information                 |  |
| Reduced Colorant Usage                            |  | Budgetary Quotation Request         |  |
| Reduced Reject Rates                              |  | Project in Planning                 |  |
| Less Part Distortion                              |  | Specification for Purchase          |  |
| Improved Part Quality when using Regrind Material |  | Other                               |  |
| Shorter Cycle Times                               |  | SMN Static Mixer only               |  |
| Improved Melt Flow                                |  | Complete SMN Mixing Nozzle ***      |  |
| Hot Runners                                       |  | ***If YES please fill in Spec Sheet |  |

### 4. POLYMER DATA

|              |           |  |
|--------------|-----------|--|
| Material *   |           |  |
| Manufacturer |           |  |
| MFI *        | g/10 min. |  |
|              | at ° C    |  |
|              | kg        |  |
| Viscosity ** | Pa s      |  |

\*\* Please provide Flow curve (viscosity = f (shear rate) )

### 5. INJECTION MOULDING PROCESSING CONDITIONS

|                                  |       |  |
|----------------------------------|-------|--|
| Screw Diameter:                  | [mm]  |  |
| L/D of Screw                     | [-]   |  |
| Shot Weight *                    | [g]   |  |
| Injection Time without cooling** | [s]   |  |
| Max. Injection Pressure *        | [bar] |  |
| Clamping Force                   | [kN]  |  |
| Max. Pressure of Hydraulic Unit  |       |  |
| Melt Temperature *               | [°C]  |  |
| Type of Machine                  |       |  |
| Machine Manufacturer             |       |  |
| Other Information                |       |  |

\* indispensable data

### 6. REMARKS, COMMENTS, SPECIAL REQUIREMENTS, SKETCH



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## **Inquiry sheet for Injection Moulding solutions**

### **BENEFITS**

- Reduced spots, streaks and clouds of color
- Reduced colorant usage (up to 30% less)
- Narrower part tolerance of final parts
- Reduced reject rates
- Less part distortion
- Less part weight variation
- Improved part quality when using regrind material and increased use of regrind
- Shorter cycle times
- Improved surface and mechanical properties
- Blended thermal degradation products (i.e., PET)
- Improved melt flow, uniform filling of multi-cavity moulds
- Expanded operating range of older machines

