

E\_SPEC-PP\_10.2004-8

# Injection Moulding Mixing Nozzle SMN

## Technical Data sheet for Mixer Dimensioning

Name				Title	
Phone		Fax		E-mail	
Company				Street	
City		State/Country		Zip Code	
Date		Offer expected until			

### 1. POLYMER DATA

Material *			
Manufacturer			
MFI *	g/10 min. *		
	at ° C *		
	Kg *		
Viscosity *			

### 2. INJECTION MOULDING PROCESSING CONDITIONS

Screw Diameter:			
L/D of Screw			
Shot Weight *			
Injection Time *			
Injection Pressure *			
Max. Injection Pressure *			
Clamping Force			
Max. Pressure of Hydraulic Unit			
Melt Temperature *			
Type of Machine			
Machine Manufacturer			
Other Information			

\* indispensable data for mixer design

### 3. BENEFITS DESIRED

Reduced Spots and Streaks		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 Re grind		Other	
Shorter Cycle Times			
Improved Melt Flow			
Uniform Melt flow in Multi-Cavity Tools			
Other (please specify below as remark)			

### 4. REQUEST FOR QUOTATION

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

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## Extrusion Melt Blender SMB

### Technical Data sheet for Mixer Dimensioning

Name				Title	
Phone		Fax		E-mail	
Company				Street	
City		State/Country		Zip Code	
Date				Date information required	

#### 1. POLYMER DATA

Material *					
Manufacturer					
MFI *	g/10 min. *				
	at °C *				
	Kg *				
Viscosity *					

#### 2. EXTRUSION PROCESSING DATA

Screw Diameter			
L/D of Screw			
Throughput*			
Melt Temperature*			
Die Feed Pressure*			
Type of Machine			
Extruder Manufacturer			

\* indispensable data for design of the melt blender

#### 3. EXTRUSION PROCESS

Sheet		Pipe	
Blown Film		Rod & Tubing	
Foam Sheet		Wire & Cable	
Profile		Coating Line	
Co-Extrusion		Fibers/Monofilaments	

#### 4. SYSTEM REQUIREMENTS

Available Installation Length		General Information		Purchase Spec.	
Maximum Allowable Pressure Drop		Budgetary Quote		Other	
		Project in Planning			

#### 5. REQUEST FOR QUOTATION

#### 6. BENEFITS DESIRED

Eliminate Thermal and Composition Gradients		Foam Cell Size & Distribution Uniformity	
Reduce Colorant and Additive Usage		Surface Quality Improvement	
Streak Free Product		Mechanical Property Improvement	
Regrind Usage Quality Improvement		Other	
Wall Thickness & Gauge Control			

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

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