



# RavaSafe® ZH-LSF 0MX

## Ravago Manufacturing Europe - Thermoplastic

### General Information

#### Product Description

Ravasafe ZH-LSF 0 Mx is a thermoplastic zero halogen, low smoke flame retardant product that can be used as filling compound

#### General

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	• Low Smoke Emission
Uses	• Filling Applications		
Appearance	• Colors Available		
Processing Method	• Extrusion		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.57	g/cm <sup>3</sup>	ASTM D792
Density	1.57	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) <sup>2</sup> (150°C/21.6 kg)	7.6	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress <sup>3</sup>	9.50	MPa	IEC 60811-501
Tensile Strain <sup>3</sup> (Break)	78	%	IEC 60811-501
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	51		ASTM D2240
Shore Hardness (Shore D, 15 sec)	51		ISO 868
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	39	%	ASTM D2863
Oxygen Index	39	%	ISO 4589-2
Acid Gas Emission Conductivity	< 0.500	µS/mm	IEC 60754-2
Acid Gas Emission pH	5.61		IEC 60754-2
Halogen Content	0	%	IEC 60754-1

### Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	120	°C
Cylinder Zone 2 Temp.	130	°C
Cylinder Zone 3 Temp.	140	°C
Cylinder Zone 4 Temp.	150	°C
Cylinder Zone 5 Temp.	150	°C
Adapter Temperature	155	°C
Head Temperature	160	°C
Die Temperature	165	°C

#### Extrusion Notes

RavaSafe ZH LSF 0MX is a product able to run on standard extruders, based on low compression screw and head. Compounds are supplied in Aluminium foil bags. Pre-drying is not required before extrusion process.