

## TECHNICAL DATA SHEET

# ORGALLOY® EM 067 HSP

## POLYAMIDE ALLOY PELLET

ORGALLOY® EM 067 HSP is a polyamide alloy. This natural flexible grade is designed for extrusion to produce refrigerant barrier layer in automotive & non automotive air conditioning rubber hose.

### TYPE

PA\*

### MAIN APPLICATIONS

- Others (Polymer Manufacturing)

### DELIVERY FORM

- Pellets

### TRANSFORMATION PROCESSES

- Extrusion - General
- Tube Extrusion

### ADDITIVES

- Heat Stabilized
- Light Stabilized

## RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melt volume flow rate (MVR), 235°C / 5 kg (455°F / 11 lb)	1	cm <sup>3</sup> /10min	ISO 1133

## MECHANICAL PROPERTIES

PROPERTIES	DRY / COND VALUE*	UNIT	TEST STANDARD
Stress at 50% strain, 23°C (73°F), 50 mm/min	- / 32	MPa	ISO 527-1/-2
Tensile modulus, 23°C (73°F), 1 mm/min	- / 572	MPa	ISO 527-1/-2

\*DRY: Dry As Molded (DAM) if pellet / Dry if powder.  
COND: Conditioned.

## THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	215	°C	ISO 11357-1/-3

## OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Specific gravity, 23°C (73°F)	1.14	g/cm <sup>3</sup>	ISO 1183-1

## PACKAGING

Available packaging:

- 20 kg / 44 lb bags

# ORGALLOY® EM 067 HSP

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## SHELF LIFE

Two years from the date of delivery, when stored properly (sealed bags, appropriate moisture, UV protection and temperature). For any use above this limit, please refer to our technical services.

## PROCESSING CONDITIONS:

- Typical melt temperature (Min / Recommended / Max) - Injection Molding: 250°C / 270°C / 290°C (480°F / 520°F / 555°F)
- Typical mold temperature - Injection molding: 20-60°C (70-140°F)
- Drying time and temperature: 80-90°C (175-195°F) / 4-6 hours