

# ORGALLOY®

## RDG 113

**Orgalloy® RDG 113 resin** is a polyamide designed to be used for refrigerant barrier layer in air conditioning rubber hose.

### Packaging:

This grade is delivered dried in sealed packaging (20kg bags) ready to be processed.

### Shelf life:

Two years from the date of delivery. For any use above this limit, please refer to our technical services.s.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
<b>MECHANICAL PROPERTIES</b>			
Tensile Modulus	- / 2253	MPa	ISO 527-1/-2
	- / 327000	psi	
Yield stress	- / 47	MPa	ISO 527-1/-2
	- / 6820	psi	
Yield strain	- / 4.4	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
<b>THERMAL PROPERTIES</b>			
Melting Temperature, 10°C/min	229 / *	°C	ISO 11357-1/-3
<b>OTHER PROPERTIES</b>			
Density	1120 / 1120	kg/m <sup>3</sup>	ISO 1183
	1.12 / 1.12	g/cm <sup>3</sup>	

### Processing conditions:

- Drying time (only necessary for bags opened for more than two hours): 4-8 hours at 80-90°C
- Extrusion melt temperature (min-recommended-max): 240-260-300°C

<b>PROCESSING</b> Other Extrusion	<b>Headquarters:</b> Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 arkema.com  <b>Arkema Inc. – High Performance Polymers</b> 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com
<b>DELIVERY FORM</b> Pellets	
<b>REGIONAL AVAILABILITY</b> North America, Europe, Asia Pacific, South and Central America	

Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/en/products/product-safety/disclaimer/index.html>

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