

# Technical Data Sheet

nr. Tec. Data Sheet: RCH-26	<b>Product</b> RADIPOL® A125
Issued: 14/04/2015	<b>Product code</b> P66F023
	<b>Colour</b> NATURAL
	<b>References</b> N° CAS. 32131-17-2

<b>Description</b>	Polyamide 6,6 very high viscosity
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<b>Typical application</b>	Base polymer for extrusion of tubes, profiles, bars, rods and sheets
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<b>Material handling</b>	The material is supplied as granulate, packed in 500 or 1000 kg tight sealed containers. Store away from the direct rays of the sun in rooms provided with a proper ventilation. The packages must be kept closed until utilization. For the storing in silo use stainless steel or aluminum silos. Packaging materials: multilayer cardboard octabins, polyethylene-aluminum bags with barrier effect.
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<b>Recycling</b>	The product can be reused after grinding and extrusion.
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<b>Specification and regulation</b>	For safety instruction please refer to Material Safety Data Sheet.
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<b>Adequacy declarations</b>	Product complies the Regulation: - European Directive 2011/65/EC (and successive updated and integrations) referred to the "restriction of the use of certain hazardous substances in electrical and electronic equipment". Important: the above mentioned information relates only to the materials as delivered in their original packaging. It's not applicable to the product modified with or without additional of further additives.
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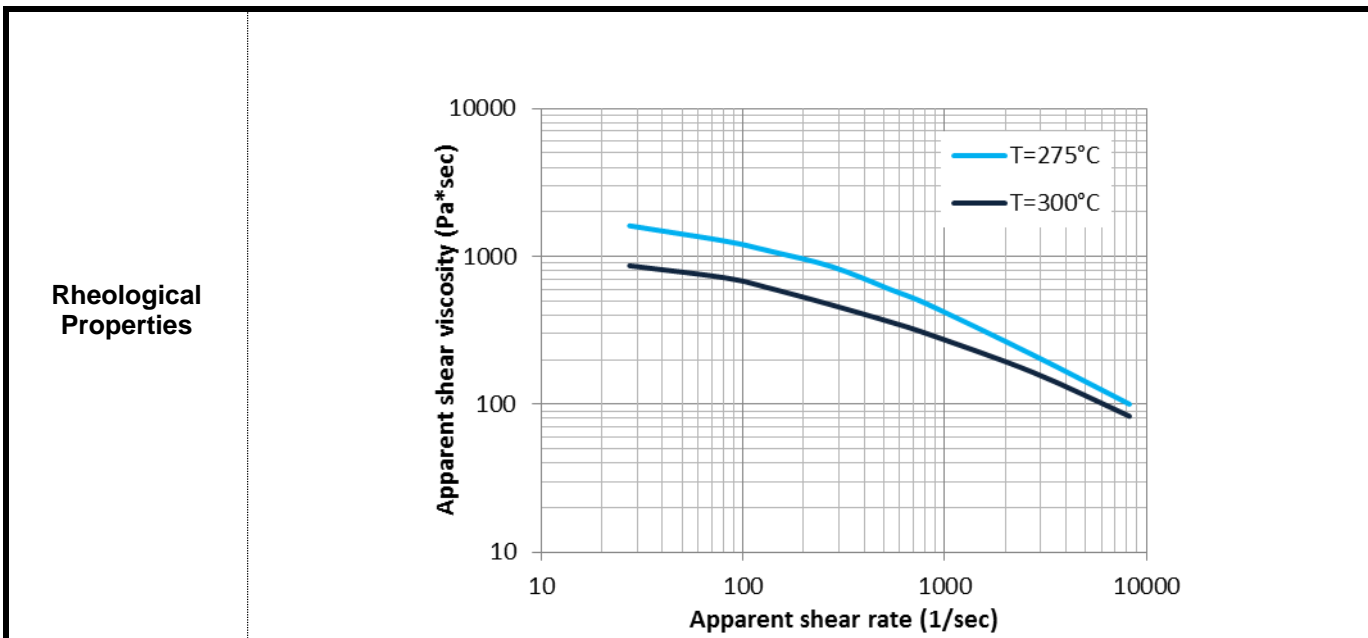
Properties (1)	Properties	Method	Units	Value	Test conditions
	<b>Physical Properties</b>				
	<b>Density</b>	ISO1183	Kg/dm <sup>3</sup>	1,14	
	<b>Relative Viscosity</b>	Int. met.	-	4.70	Solvent: sulphuric acid 96%
	<b>Water absorption</b>	ISO 62	%	8.4	2mm, immersion a 23°C
	<b>Moisture absorption</b>	ISO 62	%	2.1	2mm, 23°S – 50%RH
<b>Mechanical Properties</b>					
	<b>Tensile modulus</b>	ISO 527-2/1A	MPa	2900	DAM; vel. test 1mm/min
	<b>Yield stress</b>	ISO 527-2/1A	MPa	81	DAM; vel. test 5mm/min
	<b>Yield strain</b>	ISO 527-2/1A	%	4.7	DAM; vel. test 5mm/min
	<b>Nominal strain at break</b>	ISO 527-2/1A	%	100	DAM; vel. test 50mm/min
	<b>Flexural modulus</b>	ISO 178/1A	MPa	2800	DAM; vel. test 2mm/min
	<b>Flexural strength</b>	ISO 178/1A	MPa	110	DAM; vel. test 2mm/min
	<b>Charpy notched impact strength</b>	ISO 179/1 eA	KJ/m <sup>2</sup>	7.5	DAM; T=23°C
<b>Thermal Properties</b>					
	<b>Melting temperature</b>	ISO 11357-1-3	°C	262	Scanning rate 10°C/min
	<b>Heat deflection temperature</b>	ISO 75/2 A f	°C	80	1.8 MPa
	<b>Vicat Softening Temperature</b>	ISO 306/B50 50N	°C	240	50°C/h

Notes: (1) test specimens were obtained according ISO 1874-2.  
DAM = dry as moulded state

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**Declarations**

The above mentioned technical data are simply indicative for users and they are given without any guarantee. They are not to be considered as specifications. Any modification/addition of the material after the supplying can involve variation of the values or the technical characteristics. The values are calculated on injection moulded samples. Radici Chimica S.p.A. makes no warranties and assumes no liability in connections with any use of this information.