

TECHNICAL DATA SHEET

Issued: December 2016	Product	RADIPOL® A35
	Product code	P66F035
	Colour	NATURAL
	References	N° CAS. 32131-17-2

Description	Polyamide 6,6 Very low viscosity
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Typical application	Base polymer for compounding
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Material handling	<p>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.</p> <p>Packaging materials: multilayer cardboard octabins with PE liner or PE/Al/PET liner with barrier effect, polypropylene big bags with PE liner.</p>
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Recycling	The product can be reused after grinding and extrusion.
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Specification and regulation	For safety instruction please refer to Material Safety Data Sheet.
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Adequacy declarations	<p>Product complies the Regulation:</p> <ul style="list-style-type: none"> - 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". <p>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.</p>
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	Properties	Method	Unit	Value	Test conditions
	Properties (1) (Typical Values)	Physical Properties			
Density		ISO1183	Kg/dm ³	1,14	
Relative Viscosity		Internal Method	-	2,33	Solvent: sulphuric acid 95.7% Polyamide concentration:0.01 g/ml
Chip Size		-	mm	2,0x2,5x3,0	
Granulometry		Internal Method	g/100 chips	1,9	
Yellow Index		Internal Method	-	- 8 max	
Mechanical Properties					
Tensile modulus		ISO 527-2/1A	MPa	3000	DAM; vel. test 1mm/min
Yield stress		ISO 527-2/1A	MPa	81	DAM; vel. test 5mm/min
Yield strain		ISO 527-2/1A	%	4,3	DAM; vel. test 5mm/min
Nominal strain at break		ISO 527-2/1A	%	10	DAM; vel. test 50mm/min
Flexural modulus		ISO 178/1A	MPa	2900	DAM; vel. test 2mm/min
Flexural strength		ISO 178/1A	MPa	115	DAM; vel. test 2mm/min
Charpy impact strength		ISO 179 eU	KJ/m ²	4	DAM; T=-30°C
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Thermal Properties					
Melting temperature		ISO 11357-1-3	°C	260	Scanning rate 10°C/min

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

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