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RadiPol® A

Polyamide 66

Base Polymers (typical values)

Properties	*Method*	*Unit*	**A35**	**A40**	**A40D**	**A45**
Density	ISO1183	kg/dm^3	1,14	1,14	1,14	1,14
Relative viscosity in H_2SO_4 *(0,01 g/ml PA in 95,7% Sulphuric Acid)*	Internal Method	-	2,33	2,45	2,45	2,67
Melting Point	ISO11357-1-3	°C	260	260	260	260
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,9	1,9	1,9	1,9
Yellow Index	Internal Method	-	- 8 max	- 8 max	- 6 max	- 10 max
Description			Very low viscosity	Low Viscosity	Low viscosity, Dry	Standard Viscosity
Application			Compounding	Compounding	Dry Blending, Compounding, Inj. Moulding	Compounding

RadiPol® A

Polyamide 66

Base Polymers (typical values)

Properties	*Method*	*Unit*	**A4502**	**A4506**	**A45D**	**A45DD**
Density	ISO1183	kg/dm³	1,14	1,14	1,14	1,14
Relative viscosity in H_2SO_4 *(0,01 g/ml PA in 95,7% Sulphuric Acid)*	Internal Method	-	2,55	2,65	2,67	2,67
Melting Point	ISO11357-1-3	°C	260	260	260	260
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,9	1,9	1,9	1,9
Yellow Index	Internal Method	-	- 6 max	- 6 max	- 6 max	- 6 max
Description			Standard viscosity	Standard viscosity	Standard viscosity, Dry	Standard viscosity, Super Dry
Application			Melt Spinning, Compounding	Melt Spinning, Compounding	Dry Blending, Compounding, Inj. Moulding	Dry Blending, Compounding, Inj. Moulding

RadiPol® A

Polyamide 66

Textile Applications (typical values)

Properties	*Method*	*Unit*	**40AM03**	**40AM30KH**	**40AM130KH**
Density	ISO1183	kg/dm³	1,14	1,14	1,14
Relative viscosity in H_2SO_4 *(0,01 g/ml PA in 95,7% Sulphuric Acid)*	Internal Method	-	2,48	2,48	2,46
Melting Point	ISO11357-1-3	°C	260	262	262
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,9	1,7	1,7
Yellow Index	Internal Method	-	- 5 max	0 max	4 max
Amino end groups	Internal Method	meq/kg	43	51	52
Carboxylic end groups	Internal Method	meq/kg	83	76	73
TiO_2 Content	Internal Method	%	0,03	0,3	1,3
Description			Low viscosity, Semi-Dull	Low viscosity, Dull, Heat Stabilized	Low viscosity, Full Dull, Heat Stabilized
Application			Melt Spinning POY, FOY, LOY	Melt Spinning POY, FOY, LOY	Melt Spinning POY, FOY, LOY

RadiPol® A

Polyamide 66

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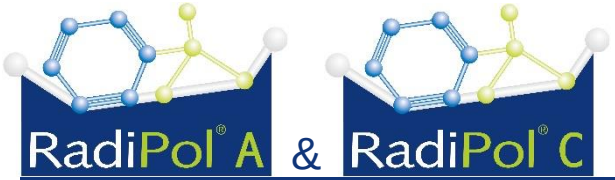
Textile Applications (typical values)

Properties	*Method*	*Unit*	**45A00**	**45A00D**	**A45K02**	**A45DK02**
Density	ISO1183	kg/dm^3	1,14	1,14	1,14	1,14
Relative viscosity in H_2SO_4 *(0,01 g/ml PA in 95,7% Sulphuric Acid)*	Internal Method	-	2,70	2,70	2,65	2,65
Melting Point	ISO11357-1-3	°C	260	260	260	260
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,9	1,9	1,9	1,9
Yellow Index	Internal Method	-	- 9 max	- 6 max	-	-
Amino end groups	Internal Method	meq/kg	46	46	-	-
Carboxylic end groups	Internal Method	meq/kg	73	73	-	-
Description			Standard Viscosity, Bright	Standard viscosity, Dry, Bright	Standard viscosity, Bright, Heat Stabilized	Standard viscosity, Dry, Bright, Heat Stabilized
Application			Melt Spinning BCF	Melt Spinning BCF	Industrial yarn, Compounding	Industrial yarn, Compounding



Specialities & Copolyamide 66/6

Polymer Grades (typical values)

Properties	*Method*	*Unit*	**A45H01**	**45C00H**	**C40**	**C43**	**C43D**	**C45**
Density	ISO1183	kg/dm³	1,14	1,14	1,14	1,14	1,14	1,14
Relative viscosity in H_2SO_4 (0,01 g/ml PA in 95,7% Sulphuric Acid)	Internal Method	-	2,62	2,67	2,45	2,53	2,53	2,67
Melting Point	ISO11357-1-3	°C	260	254	246	246	246	246
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,9	1,9	1,9	1,9	1,9	1,9
Yellow Index	Internal Method	-	- 9 max	- 6 max	- 6 max	- 6 max	- 6 max	- 6 max
Amino end groups	Internal Method	meq/kg	82	78	-	-	-	-
Carboxylic end groups	Internal Method	meq/kg	43	-	-	-	-	-
Description			Std. Viscosity, High Amino	Std. viscosity, High amino 66/6 Copolyamide	Low viscosity, 66/6 Copolyamide	Low viscosity, 66/6 Copolyamide	Low viscosity, Dry, 66/6 Copolyamide	Std. viscosity, 66/6 Copolyamide
Application			Compounding	Compounding, Industrial yarn	Compounding	Compounding	Compounding, Inj. Moulding	Compounding

The above-mentioned technical data are provided as an indication, without any guarantee. Under no circumstance they have to be considered as specifications. Any modification/additivation of materials after their supply can involve a variation in the above values or technical characteristics. These values are calculated on injected samples. Radici Chimica S.p.A. makes no warranties and assumes no liability in connection with any use of the above information.

RadiPol® DC

Polyamide 610

Polymer Grades (typical values)

Properties	*Method*	*Unit*	**40DC00D**	**DC40**	**DC45**	**DC45D**	**DC75**	**DC95**
Density	ISO1183	kg/dm	1,07	1,07	1,07	1,07	1,07	1,07
Relative viscosity in H_2SO_4 (0,01 g/ml PA in 95,7% Sulphuric Acid)	Internal Method	-	2,45	2,45	2,63	2,63	3,20	3,85
Melting Point	ISO11357-1-3	°C	220	220	220	220	220	220
Chip Size	-	mm	2.0 x 2.5 x 3.0	2.0 x 2.5 x 3.0	2.0 x 2.5 x 3.0	2.0 x 2.5 x 3.0	2.0 x 2.5 x 3.0	2.0 x 2.5 x 3.0
Granulometry	Internal Method	g/100 chips	1,7	1,7	1,7	1,7	1,7	1,7
Yellow Index	Internal Method	-	+ 8 max	+ 8 max	+ 8 max	+ 8 max	+ 8 max	+ 8 max
Amino end groups	Internal Method	meq/kg	45	-	-	-	-	-
Description			Low Viscosity, Dry	Low viscosity	Standard Viscosity	Standard viscosity, Dry	Medium Viscosity	Medium-high viscosity
Application			Melt Spinning	Compounding	Compounding	Compounding Injection Moulding	Compounding, Extrusion, Monofilament	Compounding, Extrusion

RadiPol® DD

Polyamide 612

Polymer Grades (typical values)

Properties	*Method*	*Unit*	**DD35**	**DD40D**	**DD45D**	**DD75**
Density	ISO1183	kg/dm³	1,07	1,07	1,07	1,07
Relative viscosity in H_2SO_4 *(0,01 g/ml PA in 95,7% Sulphuric Acid)*	Internal Method	-	2,10	2,30	2,50	3,20
Melting Point	ISO11357-1-3	°C	215	215	215	215
Chip Size	-	mm	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0	2,0 x 2,5 x 3,0
Granulometry	Internal Method	g/100 chips	1,7	1,7	1,7	1,7
Yellow Index	Internal Method	-	+ 5 max	+ 5 max	+ 5 max	+ 5 max
Description			Very low viscosity	Low viscosity, Dry	Standard viscosity, Dry	Medium viscosity
Application			Compounding	Compounding, Injection Moulding	Compounding Injection Moulding	Monofilament