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## Base Polymers (typical values)

Properties	Method	Unit	A35	A40	A40D	A45
Density	ISO1183	kg/dm <sup>3</sup>	1,14	1,14	1,14	1,14
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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

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## Base Polymers (typical values)

Properties	Method	Unit	A4502	A4506	A45D	A45DD
Density	ISO1183	kg/dm <sup>3</sup>	1,14	1,14	1,14	1,14
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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
<i>Description</i>			Standard viscosity	Standard viscosity	Standard viscosity, Dry	Standard viscosity, Super Dry
<i>Application</i>			Melt Spinning, Compounding	Melt Spinning, Compounding	Dry Blending, Compounding, Inj. Moulding	Dry Blending, Compounding, Inj. Moulding

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## Textile Applications (typical values)

Properties	Method	Unit	40AM03	40AM30KH	40AM130KH
Density	ISO1183	kg/dm <sup>3</sup>	1,14	1,14	1,14
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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 <sub>2</sub> 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

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## Textile Applications (typical values)

Properties	Method	Unit	45A00	45A00D	A45K02	A45DK02
Density	ISO1183	kg/dm <sup>3</sup>	1,14	1,14	1,14	1,14
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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

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# Specialities & Copolyamide 66/6



## Polymer Grades (typical values)

Properties	Method	Unit	A45H01	45C00H	C40	C43	C43D	C45
Density	ISO1183	kg/dm <sup>3</sup>	1,14	1,14	1,14	1,14	1,14	1,14
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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

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## 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 <sub>2</sub> SO <sub>4</sub> (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

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## Polymer Grades (typical values)

Properties	Method	Unit	DD35	DD40D	DD45D	DD75
Density	ISO1183	kg/dm <sup>3</sup>	1,07	1,07	1,07	1,07
Relative viscosity in H <sub>2</sub> SO <sub>4</sub> (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

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