



Eco Meplen® Polypropylene

Eco Meytel® Polyamide

PROPERTY	UNIT	STANDARD	IC F50	IC S30	I6 BK	I6 F20 BK	I6 F30 BK	
PHYSICAL	Density (23°C)	g/cm ³	ISO 1183	1,33	1,12	1,13	1,28	1,36
	MFI	g/10 min	ISO 1133	9	10	-	-	-
	MFI condition	°C/kg	ISO 1133	230/2,16	230/2,16	-	-	-
	Shore	-	ISO 868	76	74	-	-	-
	Shore condition	A/D	ISO 868	0	0	-	-	-
	Water absorption (24h/23°C)	%	ISO 62	-	-	1,9	2,3	1,9
	Water absorption (saturation)	%	ISO 62	-	-	9	7,2	6,3
	Filler content	%	ISO 3451	50	30	-	20	30
	Mould Shrinkage (parallel)	%	ISO 294-4	0,1/0,3	0,8/1,0	1,3/1,7	0,35	0,2
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ISO 180/1A	11	3,5	7/20	6/8	7/8
	Izod impact (notch / 0°C) - dry/cond	J/m	ISO 180/1A	-	-	3	4	5
	Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	80	19	55	-	-
	Tensile yield strain - dry/cond	%	ISO 527-2	-	-	4	-	-
	Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	-	-	-	95/75	120/90
	Elongation at break - dry/cond	%	ISO 527-2	4	60	80/150	5/10	4/8
	Tensile modulus - dry/cond	N/mm ²	ISO 527-2	11000	1800	2400/1100	6000/4500	7500/5800
THERMAL	Flexural modulus - dry/cond	N/mm ²	ISO 178	8600	1600	2200/1000	4800/3500	7300/4800
	HDT (0,455 Mpa)	°C	ISO 75-2	157	110	150	200	208
	HDT (1820 Mpa)	°C	ISO 75-2	140	50	50	195	205
	VICAT (10 N)	°C	ISO 306	155	143	-	-	-
	VICAT (50 N)	°C	ISO 306	135	83	190	205	210
Melting temperature (DSC)	°C	ISO 11357	165	165	220	220	220	

> ECO MEPLEN IC F50

Polypropylene copolymer, glass fibre reinforced 50% chemical coupled. Good mechanical properties. Natural, all colours. H: heat stabilized, L: UV stabilized, D: detergent stabilization.

> ECO MEPLEN IC S30

Polypropylene copolymer, glass beads filled 30%. Easy molding. Natural, all colours. H: heat stabilized, L: UV stabilized.

> ECO MEYTEL I6 BK

Polyamide 6 general purpose. Black.

> ECO MEYTEL I6 F20 BK

Polyamide 6 glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I6 F30 BK

Polyamide 6 glass fibre reinforced 30%. General purpose, black. H: heat stabilized.



Eco compounds are made utilizing 30% of recycled polymers at least. These products are certified by CSI CERT and branded with "CSI Recycled plastic"



Eco Meytel® Polyamide

PROPERTY	UNIT	STANDARD	I6 F40 BK	I6 F50 BK	I66 BK	I66 F20 BK	I66 F30 BK	
PHYSICAL	Density (23°C)	g/cm ³	ISO 1183	1,46	1,55	1,13	1,28	1,36
	MFI	g/10 min	ISO 1133	-	-	-	-	-
	MFI condition	°C/kg	ISO 1133	-	-	-	-	-
	Shore	-	ISO 868	-	-	-	-	-
	Shore condition	A/D	ISO 868	-	-	-	-	-
	Water absorption (24h/23°C)	%	ISO 62	1,7	1,5	2,5	2,2	2
	Water absorption (saturation)	%	ISO 62	5,2	4,5	8	6,7	6,1
	Filler content	%	ISO 3451	40	50	-	20	30
	Mould Shrinkage (parallel)	%	ISO 294-4	0,2	0,1	0,8	0,6	0,5
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ISO 180/1A	11/16	13/18	4,5/20	5,5/7,5	6/7
	Izod impact (notch / 0°C) - dry/cond	J/m	ISO 180/1A	9	11	4	3,5	4,5
	Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	-	-	65	-	-
	Tensile yield strain - dry/cond	%	ISO 527-2	-	-	4	-	-
	Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	180/150	210/180	-	105/85	130/100
	Elongation at break - dry/cond	%	ISO 527-2	3/6	2/4	40/80	2,9/7	2,5/4
	Tensile modulus - dry/cond	N/mm ²	ISO 527-2	10500/7000	15000/10000	2800/1200	6300/4800	8800/7100
THERMAL	Flexural modulus - dry/cond	N/mm ²	ISO 178	9000/6200	13000/8500	2700/1100	5000/3800	7600/5800
	HDT (0,455 Mpa)	°C	ISO 75-2	213	215	218	250	250
	HDT (1820 Mpa)	°C	ISO 75-2	210	212	70	240	245
	VICAT (10 N)	°C	ISO 306	-	-	-	-	-
	VICAT (50 N)	°C	ISO 306	212	214	235	240	242
Melting temperature (DSC)	°C	ISO 11357	220	220	260	260	260	

> ECO MEYTEL I6 F40 BK

Polyamide 6 glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I6 F50 BK

Polyamide 6 glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 BK

Polyamide 66 general purpose. Black.

> ECO MEYTEL I66 F20 BK

Polyamide 66 glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 F30 BK

Polyamide 66 glass fibre reinforced 30%. General purpose, black. H: heat stabilized.



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Eco Meytel® Polyamide

PROPERTY	UNIT	STANDARD	I66 F40 BK	I66 F50 BK	I18 F15 BK	I18 F20 BK	I18 F30 BK	
PHYSICAL	Density (23°C)	g/cm ³	ISO 1183	1,46	1,57	1,25	1,28	1,36
	MFI	g/10 min	ISO 1133	-	-	-	-	-
	MFI condition	°C/kg	ISO 1133	-	-	-	-	-
	Shore	-	ISO 868	-	-	-	-	-
	Shore condition	A/D	ISO 868	-	-	-	-	-
	Water absorption (24h/23°C)	%	ISO 62	1,5	1,2	2,4	2,3	2,1
	Water absorption (saturation)	%	ISO 62	5	4	7	7	6,5
	Filler content	%	ISO 3451	40	50	15	20	30
	Mould Shrinkage (parallel)	%	ISO 294-4	0,4	0,2	0,5	0,5	0,4
MECHANICAL	Izod impact (notch / 23°C) - dry/cond	J/m	ISO 180/1A	75/90	90/120	50/70	5/7	65/75
	Izod impact (notch / 0°C) - dry/cond	J/m	ISO 180/1A	8,5	10	3,5	3,5	4,8
	Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	-	-	-	-	-
	Tensile yield strain - dry/cond	%	ISO 527-2	-	-	-	-	-
	Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	190/160	220/190	95/75	90/70	100/90
	Elongation at break - dry/cond	%	ISO 527-2	2/3,5	2	4/8	4/6	3/4
	Tensile modulus - dry/cond	N/mm ²	ISO 527-2	10800/7300	15300/10500	5000/4000	5500/4600	7500/5900
	Flexural modulus - dry/cond	N/mm ²	ISO 178	9300/6500	13300/8800	4000/3000	4500/3600	6200/5600
THERMAL	HDT (0,455 Mpa)	°C	ISO 75-2	250	250	225	225	225
	HDT (1820 Mpa)	°C	ISO 75-2	250	255	210	220	225
	VICAT (10 N)	°C	ISO 306	-	-	-	-	-
	VICAT (50 N)	°C	ISO 306	244	245	215	225	228
	Melting temperature (DSC)	°C	ISO 11357	260	260	260	260	260

> ECO MEYTEL I66 F40 BK

Polyamide 66 glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I66 F50 BK

Polyamide 66 glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F15 BK

Polyamide copolymer glass fibre reinforced 15%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F20 BK

Polyamide copolymer glass fibre reinforced 20%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F30 BK

Polyamide copolymer glass fibre reinforced 30%. General purpose, black. H: heat stabilized.



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PROPERTY	UNIT	STANDARD	I18 F40 BK	I18 F50 BK	IS Z70 BK	IS Z90 BK
Density (23°C)	g/cm ³	ISO 1183	1,46	1,55	1,05	1,05
MFI	g/10 min	ISO 1133	-	-	?	?
MFI condition	°C/kg	ISO 1133	-	-	200/5	200/5
Shore	-	ISO 868	-	-	75	75
Shore condition	A/D	ISO 868	-	-	D	D
Water absorption (24h/23°C)	%	ISO 62	1,6	1,4	-	-
Water absorption (saturation)	%	ISO 62	5,1	4,5	-	-
Filler content	%	ISO 3451	40	50	-	-
Mould Shrinkage (parallel)	%	ISO 294-4	0,3	1,15	0,3/0,7	0,3/0,7
Izod impact (notch / 23°C) - dry/cond	J/m	ISO 180/1A	80/100	100/130	?	9
Izod impact (notch / 0°C) - dry/cond	J/m	ISO 180/1A	8,7	10,5	-	-
Tensile yield strenght - dry/cond	N/mm ²	ISO 527-2	-	-	-	-
Tensile yield strain - dry/cond	%	ISO 527-2	-	-	21	18
Tensile break strenght - dry/cond	N/mm ²	ISO 527-2	185/155	215/185	-	-
Elongation at break - dry/cond	%	ISO 527-2	2,55	2	30	40
Tensile modulus - dry/cond	N/mm ²	ISO 527-2	10600/7200	12500/10000	2300	1800
Flexural modulus - dry/cond	N/mm ²	ISO 178	9100/6300	11000/8200	2100	2000
HDT (0,455 Mpa)	°C	ISO 75-2	227	230	-	-
HDT (1820 Mpa)	°C	ISO 75-2	230	235	78	74
VICAT (10 N)	°C	ISO 306	-	-	-	-
VICAT (50 N)	°C	ISO 306	235	240	85	82
Melting temperature (DSC)	°C	ISO 11357	260	260	-	-

> ECO MEYTEL I18 F40 BK

Polyamide copolymer glass fibre reinforced 40%. General purpose, black. H: heat stabilized.

> ECO MEYTEL I18 F50 BK

Polyamide copolymer glass fibre reinforced 50%. General purpose, black. H: heat stabilized.

> ECO MEPRON IS Z70

Polystyrene standard impact modified for injection moulding. General porpouse. Natural, all colour.

> ECO MEPRON IS Z90

Polystyrene standard high impact for injection moulding. General porpouse. Natural, all colour.



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