



Compounds SECULENE®


SECULENE® PPR 1040 TV20 S0	SECULENE® PPR 1240 TV20 S0	SECULENE® PPR 1040 TV30 S0	SECULENE® PPR 1240 TV30 S0	SECULENE® PPR 1250 TV40 S0
20% Mineral filled PP Copo, with high heat stabilization and excellent balance of impact strength, stiffness and processability.	20% Mineral filled PP Copo, with excellent balance of impact strength, stiffness and processability.	30% Mineral filled PP Copo, with high heat stabilization and excellent balance of impact strength, stiffness and processability.	30% Mineral filled PP Copo, with excellent balance of impact strength, stiffness and processability.	40% Mineral filled PP Copo, with excellent balance of impact strength, stiffness and processability.

Properties	Test Method	Unit	Value				
Melt Volume Rate (MVR) (230°C/2.16 kg)	DIN ISO 1133	cm ³ /10min	5,0 - 8,0	4,0 - 7,0	2,5 - 6,5	3,0 - 6,0	2,6 - 4,4
Ash Content	DIN ISO 3451	%	20,0 - 24,0	19,0 - 22,0	29,0 - 32,0	29,0 - 32,0	37,0 - 41,0
Density	DIN ISO 1183	g/cm ³	1,04	1,04	1,12	1,12	1,2
Tensile stress at Yield (50 mm/min)	DIN ISO 527	MPa	21	22	22	22	23
Elongation at break (50 mm/min)	DIN ISO 527	%	> 20	> 20	> 15	> 10	> 5
Flex Modulus (1 mm/min)	DIN ISO 178	MPa	1800	1700	1800	2000	2700
Impact, notched (23°C)	DIN ISO 179/eA	kJ/m ²	5	5	5	4,5	3
Hardness	DIN ISO 868	Shore D	63	62	64	63	65
Softening Temperature Vicat B	DIN ISO 306	°C					73
Heat Deflection Temperature HDT A	DIN ISO 75	°C					147
Heat Ageing (150°C)	ISO 4577	h	> 700	> 400	> 700	> 400	> 400

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 Compounds SECULENE®			SECULENE® PPT 1220 S0	SECULENE® PPT 8027 S0	SECULENE® PPT 8037 S0	SECULENE® PPX 7001 BY1.2 S0	SECULENE® PPX 7057 TV30
			PP Copo specially for injection moulding, black colour.	PP Copo, high impact, specially for injection moulding, black colour.	PP Copo with excellent balance of high impact strength, good noise damping and processability.	30% Mineral filled PP/EPDM, with high heat aging stabilization, an excellent balance of impact strength, stiffness and processability.	30% Mineral filled PP/EPDM with high heat aging stabilization.
Properties	Test Method	Unit	Value				
Melt Volume Rate (MVR) (230°C/2.16 kg)	DIN ISO 1133	cm ³ /10min	7,0 - 10,0	6,0 - 9,0	25,0 - 33,0	11,0 - 15,5	7,0 - 10,0
Ash Content	DIN ISO 3451	%	< 3	4,5 - 8,5	< 5	30,0 - 36,0	29,0 - 33,0
Density	DIN ISO 1183	g/cm ³	0,91	0,95	0,91	1,15	1,12
Tensile stress at Yield (50 mm/min)	DIN ISO 527	MPa	22	19	17	> 12	20
Elongation at break (50 mm/min)	DIN ISO 527	%	> 20	> 20	> 50	> 10	> 20
Flex Modulus (1 mm/min)	DIN ISO 178	MPa	1100	1000	750	1250	2200
Impact, notched (23°C)	DIN ISO 179/eA	kJ/m ²	9	17	> 30	> 17	4,5
Hardness	DIN ISO 868	Shore D	61	58	57	> 54	63
Softening Temperature Vicat B	DIN ISO 306	°C		62,5			
Heat Deflection Temperature HDT A	DIN ISO 75	°C		78			
Heat Ageing (150°C)	ISO 4577	h	> 400	> 400	> 400	> 700	> 700

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SECULENE® PPX 8001 BY1.2 S0	SECULENE® PPX 8010 BY1.2 S0	SECULENE® PPX 8020 BY1.2 S0	SECULENE® PPX 8027 S0 DC	SECULENE® PPX 8027 S0 DC UV
30% Mineral filled PP/EPDM, with an excellent balance of impact strength, stiffness and noise damping.	30% Mineral filled PP/EPDM, with an excellent balance of impact strength, stiffness and noise damping.	20% Mineral filled PP/EPDM, with an excellent balance of impact strength, stiffness and noise damping.	PP Copolymer, high impact specially for injection moulding.	PP Copolymer UV stabilized, high impact specially for injection moulding.

Properties	Test Method	Unit	Value				
Melt Volume Rate (MVR) (230°C/2.16 kg)	DIN ISO 1133	cm ³ /10min	9,0 - 13,0	1,0 - 6,0	36,0 - 44,0	6,0 - 11,0	6,0 - 9,0
Ash Content	DIN ISO 3451	%	29,5 - 33,5	27,5 - 33,5	21,5 - 26,5	2,5 - 6,5	2,5 - 6,5
Density	DIN ISO 1183	g/cm ³	1,12	1,15	1,09	0,93	0,93
Tensile stress at Yield (50 mm/min)	DIN ISO 527	MPa	13	11	13	17	17
Elongation at break (50 mm/min)	DIN ISO 527	%	> 10	> 20	> 20	> 20	> 20
Flex Modulus (1 mm/min)	DIN ISO 178	MPa	1300	850	1100	850	850
Impact, notched (23°C)	DIN ISO 179/eA	kJ/m ²	> 15	> 30	> 20	> 25	> 25
Hardness	DIN ISO 868	Shore D	58	52	55	57	57
Softening Temperature Vicat B	DIN ISO 306	°C					
Heat Deflection Temperature HDT A	DIN ISO 75	°C					
Heat Ageing (150°C)	ISO 4577	h	> 200	> 200	> 200	> 400	> 400

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SECULENE® PPW 1040 TV20 S0	SECULENE® PPW 1240 TV20 S0	SECULENE® PPW 1440 TV20 S0	SECULENE® PPX 8027 S0	SECULENE® PPW 8027 S0
20% Mineral filled PP Copolymer with raised capability of free-flowing and stabilisation against heat ageing. Excellent balance of impact strength, stiffness and processability.	20% Mineral filled PP Copolymer with an excellent balance of impact strength, stiffness and processability.	20% Mineral filled and UV stabilized PP Copolymer with an excellent balance of impact strength, stiffness and processability.	PP Copolymer, high impact specially for injection moulding.	PP Copolymer, high impact specially for injection moulding.

Properties	Test Method	Unit	Value				
Melt Volume Rate (MVR) (230°C/2.16 kg)	DIN ISO 1133	cm ³ /10min	10,0 - 14,0	10,0 - 13,0	10,0 - 13,0	6,0 - 9,0	15,0 - 20,0
Ash Content	DIN ISO 3451	%	19,0 - 23,0	19,0 - 22,0	19,0 - 22,0	< 7,5	< 7,5
Density	DIN ISO 1183	g/cm ³	1,04	1,04	1,04	0,94	0,93
Tensile stress at Yield (50 mm/min)	DIN ISO 527	MPa	21	21	22	19	20
Elongation at break (50 mm/min)	DIN ISO 527	%	> 10	> 10	> 10	> 20	> 20
Flex Modulus (1 mm/min)	DIN ISO 178	MPa	1700	1700	1700	1000	1000
Impact, notched (23°C)	DIN ISO 179/eA	kJ/m ²	4,5	5	4	15	10
Hardness	DIN ISO 868	Shore D	63	62	62	58	60
Softening Temperature Vicat B	DIN ISO 306	°C		73	73		
Heat Deflection Temperature HDT A	DIN ISO 75	°C		56	56		
Heat Ageing (150°C)	ISO 4577	h	> 700	> 400	> 400	> 200	> 400

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SECULENE® PPU 8027 S0	SECULENE® PPX 8057 TV30 S0	SECULENE® PPX 8027 TV10 S0	SECULENE® PPU 1240 TV20 S0	SECULENE® PPU 1441 TV20 S0
PP Copolymer, high impact specially for injection moulding.	30% Mineral filled PP Copolymer with an excellent balance of high impact, stiffness and processability.	10% Mineral filled PP Copolymer, high impact	20% Mineral filled PP Copolymer with an excellent balance of impact strength, stiffness and processability.	20% Mineral filled PP Copolymer, UV stabilized with an excellent balance of impact strength, stiffness and processability.

Properties	Test Method	Unit	Value				
Melt Volume Rate (MVR) (230°C/2.16 kg)	DIN ISO 1133	cm ³ /10min	10,0 - 15,0	7,0 - 10,0	7,5 - 10,5	7,0 - 10,0	7,0 - 10,0
Ash Content	DIN ISO 3451	%	< 7,5	29,0 - 33,0	8,0 - 12,0	19,0 - 22,0	20,0 - 23,5
Density	DIN ISO 1183	g/cm ³	0,94	1,12	0,98	1,04	1,04
Tensile stress at Yield (50 mm/min)	DIN ISO 527	MPa	20	20	19	22	21
Elongation at break (50 mm/min)	DIN ISO 527	%	> 20	> 20	> 20	> 10	> 10
Flex Modulus (1 mm/min)	DIN ISO 178	MPa	1000	2200	1100	1700	1700
Impact, notched (23°C)	DIN ISO 179/eA	kJ/m ²	10	4,5	> 7,5	5	5
Hardness	DIN ISO 868	Shore D	60	63	61	62	61
Softening Temperature Vicat B	DIN ISO 306	°C					
Heat Deflection Temperature HDT A	DIN ISO 75	°C	78				
Heat Ageing (150°C)	ISO 4577	h	> 200	> 400	> 200	> 400	> 400

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