

Polypropylene copolymer	Conditions	Test Method	Units	CSB25 S NAT	CV30 A NAT	CV20 A NAT	CV40 A NAT	CTX30 NAT	CTX20 NAT	CTX10 NAT	CTX 40 NAT	S NERO
Physical Properties												
Density	23°C	ISO 1183	g/cm ³	1.13	1.13	1.03	1.2	1.13	1.06	0.98	1.23	0.9
Linear Shrinkage		D 955	%	1,1-1,15	0,2-0,4	0,4-0,6	0,2-0,5	0,8-1,2	0,7-1,2	0,7-1,2	0,8-1,2	1,3-1,6
Melt flow Index	230°C/ 2,16 kg	ASTM D 1238	gr/10 min	13	8	10	7	8	8	10	12	9
Mechanical Properties												
Notched impact strength	23°C	ISO 180/1A	KJ/m ²	-	-	12	25	5	4	14	6	6
Notched impact strength	-30°C	ISO 180/1A	KJ/m ²	-	5	5	10	2.5	2	4	4	-
Flexural Modulus	-	ISO 178	Mpa	1500	5200	3200	5500	2300	2000	1750	3500	1100
Tensile elongation at break	-	ASTM D 638	%	40	4	5	2	10	20	50	5	100
Tensile strength at break	-	ASTM D 638	Mpa	20	75	50	70	20	22	20	26	16
Tensile strength at yield	-	ASTM D 638	Mpa	25	-	52	-	25	26	24	38	20

Polypropylene copolymer	Conditions	Test Method	Units	CSB25 S NAT	CV30 A NAT	CV20 A NAT	CV40 A NAT	CTX30 NAT	CTX20 NAT	CTX10 NAT	CTX 40 NAT	S NERO
Thermal Properties												
Vicat softening point	B50	ASTM D 1525	°C	80	110	105	100	70	68	58	85	70
Deflection temperature under load HDT	A	ASTM D 648	°C	55	120	115	120	52	65	55	73	50
Electrical Properties												
Dielectric strenght	OIL 1mm	IEC 60243-1	KV/mm	-	20	-	-	-	-	-	-	21
Volume resistivity	-	IEC 60093	Ohm*cm	-	10E13	-	-	-	-	-	-	-
Surface resistivity	-	IEC 60093	Ohm	-	10E14	-	-	-	-	-	-	-
CTI (comparative tracking index)	-	IEC6011 2	V	-	600	-	-	-	-	-	-	550
Flame Resistance												
At-Fire behaviour	thickness 3,2mm	UL 94	Class	HB	HB	HB	HB	HB	HB	HB	HB	HB
At-Fire behaviour	thickness 1,6mm	UL 94	Class	HB	HB	HB	HB	HB	HB	HB	HB	HB
At-Fire behaviour	thickness 3,2mm	FMVSS 302	mm/min	-	35	-	-	-	45	-	-	45
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	650	650	-	-	650	650	-	-	-

Main Features

TERIPLLEN CSB25 S NAT	TERIPLLEN CV30 A NAT	TERIPLLEN CV20 A NAT	TERIPLLEN CV40 A NAT	TERIPLLEN CTX30 NAT	TERIPLLEN CTX20 NAT	TERIPLLEN CTX10 NAT	TERIPLLEN CTX 40 NAT	TERIPLLEN S NERO
PP copolymer 25% barium sulphate	PP copolymer 30% glass fiber	PP copolymer 20% glass fiber	PP copolymer 40% glass fiber	PP copolymer 30% talcum	PP copolymer 20% talc	PP copolymer 12% talc	PP copolymer 40% talcum	PP copolymer near first grade

**All ASP products can be formulated and implemented according to specific requirements of the customer, including staining.
Advanced Systems Polymers SpA -Strada di Settimo,404, 10056 - Torino (TO)
Office:+39.011.22.41.352- Fax: +39.011.22.38.215**

The information contained herein are supplied in good faith and given purely as an indication. Properties should be carefully evaluated for all projects requirements. They shall not be considered in any way as a formal commitment or warranty on our part especially in case of improper use of our products from third parties