

Flame retardant products

Polypropylene	Conditions	Test Method	Units	TERIPLÉN EP02 V2	TERIPLÉN EPI2 V2	TERIPLÉN EP20 V2	TERIPLÉN EP05 V25 V0
Physical Properties							
Melt flow index	230°C 2,16kg	ASTM D 1238	g/10 min	2	12	20	5
Density	23°C	ASTM D 792	g/cm ³	0.93	0.93	0.93	1.34
Linear Shrinkage	-	ASTM D 955	%	1,5-1,8	1,5-1,8	1,5-1,8	0,5-0,8
Mechanical Properties							
Tensile strength at yield	-	ASTM D 638	Mpa	-	-	-	-
Tensile strength at break	-	ASTM D 638	Mpa	30	20	20	55
Tensile elongation at break	-	ASTM D 638	%	70	50	50	3
Flexural Modulus	-	ASTM D 790	Mpa	1300	1400	1500	5000
Notched impact strength	23°C	ASTM D 256	J/m	80	35	40	50
Notched impact strength	0°C	ASTM D 638	J/m	40	25	30	40

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Thermal Properties							
Vicat softening point	9,8N 50°C/ hour	ASTM D 1525	°C	147	151	151	-
Vicat softening point	49 N 50°C/ hour	ASTM D 1525	°C	-	-	-	-
Flame Resistance							
At-Fire behaviour	thickness 1,6mm	UL 94	Class	V2	V2	V2	V2
At-Fire behaviour	thickness 3,2mm	UL 94	Class	V2	V2	V2	V2
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	960	960	960	960

Main features

TERIPLLEN EP02 V2	TERIPLLEN EPI2 V2	TERIPLLEN EP20 V2	TERIPLLEN EP05 V25 V0
<ul style="list-style-type: none"> • PP copolymer extrusion grade. • PBDE free. • flame retardant class V2. • good impact strenght. 	<ul style="list-style-type: none"> • PP homopolymer flame retardant class V2. • excellent processability. • PDBE free. 	<ul style="list-style-type: none"> • PP copolymer flame retardant class V2. • PBDE and antimonium trioxide free no blooming. • low smoke emission. • good physical ans mechanical characteristics. 	<ul style="list-style-type: none"> • PP flame retardant class V0. • 20% chemically coupled glass fibre reinforced. • excellent mechanical characteristics. • excellent heat resistance.

Main Appliances

TERIPLLEN EP02 V2	TERIPLLEN EP12 V2	TERIPLLEN EP20 V2	TERIPLLEN EP05 V25 V0
Pipes and sheets.	Electrical field and home furniture.	Electrical field and chairs for interiors.	Electrical field and light system parts.

**All ASP products can be formulated and implemented according to specific requirements of the customer, including staining.
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