

# TERIPLLEN

Polypropylene homopolymer	Conditions	Test Method	Units	TX30 S NAT	M40 S NAT	V30 A NAT	V20 NAT	V40 NAT	TX40 NAT	TX30 NAT	TX20 NAT
<b>Physical Properties</b>											
Density	23°C	ISO1183	g/cm <sup>3</sup>	1.15	1.24	1.13	1.02	1.2	1.24	1.14	1.05
Linear Shrinkage		D 955	%	0,6-1,2	0,6-1,0	0,2-0,4	0,4-0,8	0,1-0,3	0,6-1,0	0,7-1,1	0,8-1,2
Melt flow Index	230°C/ 2,16 kg	ASTM D 1238	gr/10 min	12	12	8	8	4	12	12	12
<b>Mechanical Properties</b>											
Notched impact strength	23°C	ISO 180/1A	KJ/m <sup>2</sup>	3	3	10	8	10	3	2	2.5
Notched impact strength	-30°C	ISO 180/1A	KJ/m <sup>2</sup>	-	-	4	5	6.5	2	3.5	4
Flexural Modulus	-	ISO 178	Mpa	3000	2800	5700	3800	7200	4300	3500	2600
Tensile elongation at break	-	ASTM D 638	%	15	10	3	5	2	6	14	20
Tensile strength at break	-	ASTM D 638	Mpa	25	16	85	60	105	26	24	20
Tensile strength at yield	-	ASTM D 638	Mpa	30	24	-	-	-	32	32	34

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<b>Thermal Properties</b>											
Vicat softening point	B50	ASTM D 1525	°C	90	85	130	128	142	100	100	98
Deflection temperature under load HDT	A	ASTM D 648	°C	60	70	140	138	154	80	75	68
<b>Electrical Properties</b>											
Dielectric strength	OIL 1mm	IEC 60243-1	KV/mm	-	-	20	-	20	-	-	24
Volume resistivity	-	IEC 60093	Ohm*cm	-	-	10E13	-	10E13	-	-	10E14
Surface resistivity	-	IEC 60093	Ohm	-	-	10E13	-	10E13	-	-	10E14
CTI (comparative tracking index)	-	IEC60112	V	-	-	600	-	600	-	-	60
<b>Flame Resistance</b>											
At-Fire behaviour	thickness 3,2mm	UL 94	Class	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
At-Fire behaviour	thickness 3,2mm	FMVSS 302	mm/min	-	-	35	-	-	-	-	38
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	-	-	650	-	-	-	650	650

# Main Features

<b>TERIPLN TX30 S NAT</b>	<b>TERIPLN M40 S NAT</b>	<b>TERIPLN V30 A NAT</b>	<b>TERIPLN V20 NAT</b>	<b>TERIPLN V40 NAT</b>	<b>TERIPLN TX40 NAT</b>	<b>TERIPLN TX30 NAT</b>	<b>TERIPLN TX20 NAT</b>
PP homopolymer 30% talcum	PP 40% mineral filled	PP homopolymer 30% glass fiber	PP homopolymer 20% glass fiber	PP homopolymer 40% glass fiber	PP homopolymer 40% talcum	PP homopolymer 30% talcum	PP homopolymer 20% talcum

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