

TERILAN

ABS	Conditions	Test Method	Units	TERILAN 0080MT	TERILAN 0160MT	TERILAN 0160 HT	TERILAN 0040 HT
Physical Properties							
Melt flow index	220°C 10 kg	ASTM D 1238	g/10 min	8	15	15	4
Density	23°C	ASTM D 792	g/cm ³	1.05	1.05	1.05	1.06
Linear Shrinkage	-	ASTM D 955	%	0,4-0,7	0,4-0,7	0.4-0.7	0,4-0,7
Mechanical Properties							
Tensile strength at yield	-	ASTM D 638	Mpa	40	42	46	58
Tensile strength at break	-	ASTM D 638	Mpa	32	32	40	45
Tensile elongation at break	-	ASTM D 638	%	25	15	10	10
Tensile Modulus	-	ASTM D 638	Mpa	-	-	-	-
Flexural Modulus	-	ASTM D 790	Mpa	2200	2150	2700	2700
Maximum flexural stress	-	ASTM D 790	%	-	-	-	-
Notched impact strength	23°C	ASTM D 256	J/m	400	350	150	200
Notched impact strength	0°C	ASTM D 638	J/m	350	300	110	150
Notched impact strength	-20°C	ASTM D 638	J/m	-	-	-	-

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Thermal Properties							
Vicat softening point	9,8N 50°C/ hour	ASTM D 1525	°C	110	110	115	125
Vicat softening point	49 N 50°C/ hour	ASTM D 1525	°C	100	102	106	115
Deflection temperature under load HDT	1,82 Mpa 120°C/hour	ASTM D 648	°C	-	-	-	-
Flame Resistance							
At-Fire behaviour	thickness 1,6mm	UL 94	Class	HB	HB	HB	HB
At-Fire behaviour	thickness 3,2mm	UL 94	Class	HB	HB	HB	HB
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	650	650	650	650

Main Features

0080 MT	0160T MT	0160 HT	040 HT
<ul style="list-style-type: none"> • very high impact resistance also at low temperatures. • good processability. • medium heat resistance. 	<ul style="list-style-type: none"> • medium thermal resistance. • good melt flow rate. • high impact resistance also at low temperatures. • high gloss. • excellent processability. 	<ul style="list-style-type: none"> • high thermal resistance. • good impact resistance. • good melt flow rate. • high gloss with antistatic. • excellent processability 	<ul style="list-style-type: none"> • useful for both injection moulding and extrusion. • good impact resistance. • very high thermal resistance.

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