

TERIMID A 38

Polyamide 66	Conditions	Test Method	Units	A38 NAT	A38 EL2 NAT	A38 V30 NAT	A38 V30 HT NAT	A38 E NAT
Physical Properties								
Density	23°C	ASTM D 792	g/cm ³	1.14	1.1	1.35	1.36	1.29
Linear Shrinkage	-	internal	%	1.6	1.4	0.4	0.4	0.6
Water absorption	24h/23°C	ISO 62	%	1.5	1.3	0.6	0.7	0.6
Mechanical Properties								
Notched impact strength	23°C	ASTM D256	J/m	50	100	100	95	80
Charpy notched impact strength	23°C	ISO 179/2A	KJ/m ²	6	8	10	10	6
Charpy unnotched impact strength	23°C	ISO 179/2	KJ/m ²	NB	NB	60	60	-
Tensile strength at yield	23°C	ASTM D 638	Mpa	80	55	160	150	110
Tensile elongation at break	23°C	ASTM D 638	%	>45	>40	2.5	2.6	2.5
Flexural Modulus	23°C	ASTM D 790	Mpa	2800	2000	7000	7000	6500

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Thermal Properties								
Melting point	-	internal	°C	258	258	258	258	258
Vicat softening point	49 N 50°C/hour	ASTM D 1525	°C	230	205	245	250	250
Deflection temperature under load HDT	1,82 Mpa 120°C/hour	ASTM D 648	°C	85	70	245	240	245
Continuos service temperature.	-	internal	°C	80	60	115	115	110
Eletrical Properties								
Dieletric strenght.	2mm	ASTM D149	KV/mm	18	20	21	21	20
Volume resistivity	-	ASTM D257	Ohm*cm ²	10 ⁿ	10 ⁿ	10 ⁿ	10 ⁿ	10 ⁿ
CTI (comparative tracking index)	-	-	v	600	600	550	550	-
Flame Resistance								
At-Fire behaviour	thickness 3,2mm	UL 94	Class	V2	HB	HB	HB	HB
Glow wire test	thickness 2,0mm	I.E.C. 695-2-1	°C	750	-	650	650	650

Main Features

A38 NAT	A38 EL2 NAT	A38 V30 NAT	A38 V30 HT NAT	A38 E NAT
<ul style="list-style-type: none">• PA 66 with good melting and fast cycle.	<ul style="list-style-type: none">• PA 66 impact modified.	<ul style="list-style-type: none">• PA 66 30% glass-fiber filled.	<ul style="list-style-type: none">• PA 66 30% glass-fiber filled.• heat stabilizer.	<ul style="list-style-type: none">• PA 66 self lubricating.• very good surface.

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