



# Technical Data Sheet

## Topolymer® ASA-EL101

**Application:** Window profiles ,Canopy, Siding, Fence, (Roofing) Tiles

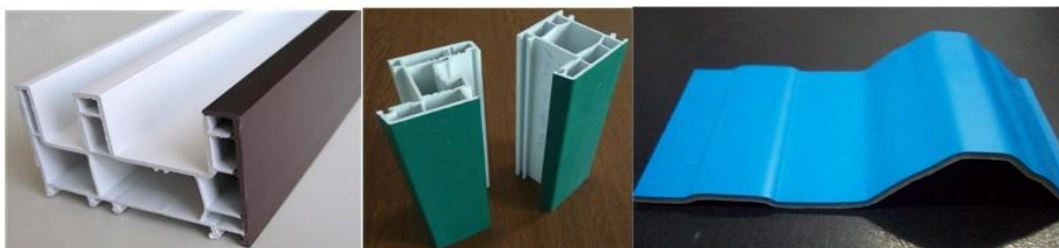
**Grade:** Co- extrusion

Properties	Test Condition	Test Method	Unit	Typical Value
<b>Physical</b>				
Specific Gravity		ASTM D792	g/cm <sup>3</sup>	1.12
Molding Shrinkage (Flow), 3.2mm		ASTM D955	%	0.4-0.6
Melt Flow Rate	230°C/21.6kg	ASTM D1238	g/10min	25
<b>Mechanical</b>				
Tensile Strength	23°C	ASTM D638	Mpa	43
Elongation at break	23°C	ASTM D638	%	30
Flexural Modulus	23°C	ASTM D790	Mpa	1896
Flexural Strength	23°C	ASTM D790	Mpa	68
Rockwell Hardness	R-Scale	ASTM D785		106
IZOD Impact Strength (Notched)	23°C 3.2mm	ASTM D256	J/M	195
IZOD Impact Strength (Unnotched)	23°C 3.2mm	ASTM D256	J/M	396
<b>Thermal</b>				
Heat Deflection Temperature	1.82Mpa	ASTM D648	°C	82
Flammability	1.6mm	UL94	class	HB

### Processing Guide (Extrusion Molding)

Processing Parameters		Unit	Value
Drying Temperature		° C	80 ~ 95
Drying Time		hrs	3 ~ 5
Minimum Moisture Content		%	0.01
Melt Temperature		° C	200 ~ 230
Barrel Temperature	Zone 1	° C	190 ~ 200
	Zone 2	° C	200 ~ 220
	Zone 3	° C	210 ~ 230
	Zone 4	° C	210 ~ 230
Adapter Temperature		° C	210 ~ 230
Die Temperature		° C	210 ~ 250
Roll Stack Temperature	Top	° C	70 ~ 90
	Middle	° C	70 ~ 90
	Bottom	° C	70 ~ 100

**Note:** Recommend initial lower temperatures settings to avoid material degradation/hang-up in die & purge material from extruder prior to shutdown.





Plastic & polymer additives and solution supplier  
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### **Package&Storage**

25kg or 1000kg PE-bag on pallet, shrink or wrapped with PE film.

In dry areas with normal temperature control, EL101 pellets can be stored for relatively long periods of time without any change in mechanical properties.

With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, EL101 absorbs moisture, but this can be removed by drying.

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