

# Luran S 778T XA SPF60

Acrylonitrile Styrene Acrylate (ASA)

## TECHNICAL DATASHEET

### DESCRIPTION

Luran® S acrylonitrile styrene acrylate (ASA) polymers feature high surface quality and good impact strength including enhanced colour fastness. The products deliver superior long-term performance when exposed to UV irradiation and additionally provide excellent chemical resistance. Luran® S 778T XA SPF60 is an injection molding grade with enhanced heat resistance, brilliant surface appearance and best UV resistance among all Luran S products.

### FEATURES

- Best-in-class UV protection
- Less greying
- Designed for high gloss surfaces
- Brilliant surface appearance
- Deepest black within Luran S portfolio

### APPLICATIONS

- Automotive exterior parts
- High gloss, deep black surfaces
- Hot stamping

Property, Test Condition	Standard	Unit	Values
<b>Rheological Properties</b>			
Melt Volume Rate 220 °C/10 kg	ISO 1133	cm <sup>3</sup> /10 min	5
<b>Mechanical Properties</b>			
Charpy Notched Impact Strength, 23° C	ISO 179/1eA	kJ/m <sup>2</sup>	15
Charpy Notched Impact Strength, -30 °C	ISO 179/1eA	kJ/m <sup>2</sup>	4
Tensile Modulus	ISO 527	MPa	2500
Tensile Stress at Yield, 23 °C	ISO 527	MPa	52
Tensile Strain at Yield, 23 °C	ISO 527	%	3.4
Nominal Strain at Break, 23 °C	ISO 527	%	8
<b>Thermal Properties</b>			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	103
Thermal Conductivity	ISO 22007-4	W/(m K)	0.17
Coefficient of Linear Thermal Expansion	ISO 11359	10 <sup>-6</sup> /°C	75 - 105
<b>Other Properties</b>			
Density	ISO 1183	kg/m <sup>3</sup>	1070
UL94 rating at 1.5 mm thickness	IEC 60695-11-10	-	HB

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Property, Test Condition	Standard	Unit	Values
<b>Processing</b>			
Melt Temperature Range	ISO 294	°C	240 - 280
Mold Temperature Range	ISO 294	°C	40 - 80
Drying Temperature	-	°C	80
Drying Time	-	h	2 - 4
Linear Mold Shrinkage	ISO 294-4	%	0.4 - 0.7