

Luran® S Q440

Acrylonitrile Styrene Acrylate

Styrolution

Message:

Luran S Q440 is a low gloss extrusion ASA grade with excellent weatherability. Q440 is especially suited for the building and construction market as a low gloss weatherable cap layer. It is provided with a base loading of TiO₂ to help in the coloring of the product with a color concentrate.

General Information			
Additive	Titanium Dioxide (TiO ₂)		
Features	Good Weather Resistance		
	Low Gloss		
Uses	Building Materials		
	Construction Applications		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1790	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	33.0	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	1820	MPa	ASTM D790
Flexural Strength	52.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	53	J/m	
23°C	96	J/m	
Instrumented Dart Impact			ASTM D3763
Peak Force	10.0	J	
Total Energy	15.0	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	82.8	°C	ASTM D648
Vicat Softening Temperature	87.8	°C	ISO 306/A50
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	21		ASTM D523

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