

Luran S 747R

Acrylonitrile Styrene Acrylate (ASA)

TECHNICAL DATASHEET

DESCRIPTION

Luran® S 747R is a high flow, low gloss extrusion grade with enhanced strength properties. The enhanced flow properties make the product suitable for co-extruded applications

FEATURES

- Low gloss in extrusion
- High flowability
- Good impact strength

APPLICATIONS

- Decking
- Fencing
- Profiles

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Volume Rate 220 °C/10 kg	ASTM D 1238	cm ³ /10 min	7
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	2.1
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	0.3
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	80
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	7700
Tensile Strain at Yield, 23 °C	ASTM D 638	%	3
Tensile Modulus (MD)	ASTM D 882	psi	34000
Flexural Strength, 23 °C	ASTM D 790		10900
Flexural Modulus	ASTM D 790	kg/cm ²	25000
Hardness, Rockwell	ASTM D 785	R scale	109.8
Tensile Modulus	ASTM D 638	psi x 10 ³	250
Thermal Properties			
Vicat Softening Temperature, VST/A/50 (10N, 50 °C/h)	ISO 306	°F	212
Heat Deflection Temperature A; (annealed 4 h/80 °C; 1.8 MPa)	-	°F	200
DTUL @ 264 psi - Annealed	ASTM D 648	°F	190

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Property, Test Condition	Standard	Unit	Values
Other Properties			
Density	ASTM D 792	lb/in ³	1.09
Processing			
Melt Temperature Range	-	°F	464 - 536
Mold Temperature Range	-	°F	104 - 176
Drying Temperature	-	°F	176