

Luran S 757G

Acrylonitrile Styrene Acrylate (ASA)

TECHNICAL DATASHEET

DESCRIPTION

Luran® S 757G provides the best flowability within the product line and is therefore in particular suitable for demanding injection molding geometries.

FEATURES

- Highest flowability
- Easy processing

APPLICATIONS

- Household and sanitary appliances
- Motor bicycle parts

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	21
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	2.2
Izod Notched Impact Strength, -40 °C (-40 °F)	ASTM D 256	ft-lb/in	0.5
Instrumented Dart Impact (total energy)	ASTM D 3763	in-lbs	356
Instrumented Dart Impact (Peak force)	ASTM D 3763	in-lbs	347
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6810
Tensile Modulus	ASTM D 638	psi x 10 ³	362
Flexural Strength, 23 °C	ASTM D 790		9570
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	323
Hardness, Rockwell	ASTM D 785	R scale	110
Thermal Properties			
Vicat Softening Temperature, VST/A/50 (10N, 50 °C/h)	ISO 306	°F	206
DTUL @ 264 psi - Annealed	ASTM D 648	°F	204
DTUL @ 66 psi - Annealed	ASTM D 648	°F	213
Electrical Properties			
Dielectric Constant at 106 CPS (1000000 Hz, 0,0394 in)	ASTM D 150	-	3.2
Volume Resistivity	ASTM D 257	-	>10 ¹²

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Property, Test Condition	Standard	Unit	Values
Surface Resistivity	ASTM D 257	-	>10 ¹³
Other Properties			
Density	ASTM D 792	lb/in ³	1.07
Water Absorption, Saturated at 23 °C	ASTM D 570	%	1.65
Processing			
Linear Mold Shrinkage	ASTM D 955	in/in	0.0055