

Starex LX-0915G

Acrylonitrile Butadiene Styrene
LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Starex LX-0915G is an acrylonitrile butadiene styrene (ABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: electrical appliances. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E115797-101400165		
Features	General		
Uses	Electrical appliances		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.15	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.10	%	ASTM D955
Transverse flow: 3.20mm	0.10	%	ASTM D955
Lateral flow: 3.20mm	0.10	%	ISO 2577
Traffic: 3.20mm	0.10	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	112		ASTM D785
R scale	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	5620	MPa	ASTM D638
--	6000	MPa	ISO 527-2/5
Tensile Strength			
Yield ²	65.7	MPa	ASTM D638
Yield	79.0	MPa	ISO 527-2/5
Fracture ³	73.5	MPa	ASTM D638
Fracture	718	MPa	ISO 527-2/5
Tensile Elongation			
Fracture ⁴	30	%	ASTM D638
Fracture	3.0	%	ISO 527-2/5
Flexural Modulus			
-- ⁵	4710	MPa	ASTM D790
-- ⁶	4810	MPa	ISO 178
Flexural Strength			
-- ⁷	93.2	MPa	ASTM D790

-- 8	103	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	7.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	54	J/m	ASTM D256
23°C, 6.35 mm	54	J/m	ASTM D256
23°C ¹⁰	6.5	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.40mm	100	°C	ASTM D648
0.45 MPa, unannealed, 4.00mm	100	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	97.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	97.0	°C	ISO 75-2/A
Vicat Softening Temperature	101	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 to 3.0mm)	HB		UL 94
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	5.0 mm/min		
5.	2.8 mm/min		
6.	2.0 mm/min		
7.	2.8 mm/min		
8.	2.0 mm/min		
9.	Thickness: 4mm		
10.	Thickness: 4mm		

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