Starex NH-0925 S

Acrylonitrile Butadiene Styrene

LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Starex NH-0925 S is an acrylonitrile butadiene styrene (ABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The application areas of Starex NH-0925 S include housing and commercial/office supplies.
Features include:
flame retardant/rated flame
Flame Retardant

General Information	
UL YellowCard	E115797-219549
Features	Flame retardancy
Uses	Business equipment
	Shell

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.05	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
200°C/5.0 kg	6.5	g/10 min	ASTM D1238
--	6.5	g/10 min	ISO 1133
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.60	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
Class r	105		ASTM D785
R scale	105		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	2200	MPa	ASTM D638
Tensile Strength			
Yield [2]	41.0	MPa	ASTM D638
Yield	41.0	MPa	ISO 527-2/5
Fracture [3]	31.0	MPa	ASTM D638
Tensile Elongation [4] (Break)	25	%	ASTM D638
Flexural Modulus			
-- [5]	2300	MPa	ASTM D790
-- [6]	2300	MPa	ISO 178
Flexural Strength			
-- [7]	63.0	MPa	ASTM D790
-- [8]	60.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [9] (23°C)	24	kJ/m²	ISO 179/1eA

Notched Izod Impact			
23°C, 3.18 mm	210	J/m	ASTM D256
23°C, 6.35 mm	190	J/m	ASTM D256
23°C [10]	18	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, unannealed, 4.00mm	85.0	°C	ISO 75-2/B
0.45 MPa, annealing, 4.00mm	94.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	93.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	75.0	°C	ISO 75-2/A
1.8 MPa, annealing, 4.00mm	92.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	93.0	°C	ISO 306/B50
	95.0		
--	94.0	°C	ISO 306/B120
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
0.75 mm	V-2		UL 94
1.5 mm	V-2		UL 94
2.5 mm	V-2		UL 94
3.0 mm	V-2		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature			
--	80	°C	
Hot air dryer	80	°C	
Drying Time			
--	2.0 - 4.0	hr	
Hot air dryer	2.0 - 3.0	hr	
Suggested Max Moisture	< 0.050	%	
Rear Temperature	160 - 180	°C	
Middle Temperature	190 - 200	°C	
Front Temperature	210 - 220	°C	
Nozzle Temperature	230	°C	
Mold Temperature	40 - 80	°C	
Injection Pressure	49.0 - 147	MPa	
Back Pressure	0.490 - 1.96	MPa	
Screw Speed	50 - 150	rpm	
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

Recommended distributors for this material

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