



O S T E R M A N

Infino NE-1030TV

LOTTE ADVANCED MATERIALS CO., LTD. - Polycarbonate + ABS

Wednesday, September 28, 2016

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Electrical/Electronic Applications		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.20		ASTM D792
Density (Natural)	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	75	g/10 min	
250°C/2.16 kg	27	g/10 min	
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	75	g/10 min	
250°C/2.16 kg	25	g/10 min	
Molding Shrinkage - Flow (0.126 in)	6.0E-4	in/in	ASTM D955
Molding Shrinkage - Across Flow (0.126 in)	6.0E-4	in/in	ASTM D955
Molding Shrinkage			ISO 2577
Across Flow : 0.126 in	0.060	%	
Flow : 0.126 in	0.060	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	319000	psi	ASTM D638
Tensile Modulus	319000	psi	ISO 527-2/50
Tensile Strength ² (Yield)	8850	psi	ASTM D638
Tensile Stress (Yield)	7980	psi	ISO 527-2/50
Tensile Strength ² (Break)	8560	psi	ASTM D638
Tensile Stress (Break)	7980	psi	ISO 527-2/50
Tensile Elongation ² (Break)	60	%	ASTM D638
Tensile Strain (Break)	60	%	ISO 527-2/50
Flexural Modulus ³	363000	psi	ASTM D790
Flexural Modulus ⁴	348000	psi	ISO 178
Flexural Strength ³	12500	psi	ASTM D790
Flexural Stress ⁴	12300	psi	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁵ (73°F)	9.5	ft·lb/in ²	ISO 179/1eA
Notched Izod Impact			ASTM D256
73°F, 0.125 in	8.2	ft·lb/in	
73°F, 0.250 in	3.2	ft·lb/in	
Notched Izod Impact Strength ⁵ (73°F)	12	ft·lb/in ²	ISO 180/1A

LEGAL DISCLAIMER: Before using a product sold by Osterman, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT. This product(s) may not be used in: (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I medical devices, without prior notification to Seller for each specific product and application; or (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: U.S. FDA Class II Medical Devices; Health Canada Class II or Class III Medical Devices; European Union Class II Medical Devices; film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices; packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; and tobacco related products and applications. Additionally, the product(s) may not be used in: (i) U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices; (ii) applications involving permanent implantation into the body; (iii) life-sustaining medical applications; and (iv) lead, asbestos or MTBE related applications. All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Infino NE-1030TV

LOTTE ADVANCED MATERIALS CO., LTD. - Polycarbonate + ABS

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Rockwell Hardness (R-Scale)	116		ISO 2039-2
Pencil Hardness ⁶	2B		JIS K5401
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature 66 psi, Unannealed, 0.157 in	151	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed, 0.252 in	183	°F	ASTM D648
Heat Deflection Temperature 264 psi, Unannealed, 0.157 in	154	°F	ISO 75-2/A
Vicat Softening Temperature	189	°F	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		
0.10 in	5VB		

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.11 in/min

⁴ 0.079 in/min

⁵ Thickness: 4mm

⁶ 500g