Innova R 770E

High Impact Polystyrene

Videolar-Innova S/A

Message:

Characteristics:
Very high stiffness
High impact
Process:
Extrusion
Injection moulding
Applications:
Disposables
Food Packaging

General Information	
Features	Rigidity, high Impact resistance, high Compliance of Food Exposure Disposable
Uses	Packaging Food packaging
Agency Ratings	ANVISA n°105/99 FDA 21 CFR 177.1640 Europe 10/1/2011 12:00:00 AM
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.40 - 0.70	%	ASTM D955
--	0.40 - 0.70	%	ISO 294-4
Water Absorption			
Saturation	< 0.10	%	ASTM D570
Saturated, 23°C	< 0.10	%	ISO 62
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (L-Scale)	70		ASTM D785, ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus			
23°C	2600	MPa	ASTM D638
23°C	2450	MPa	ISO 527-2
Tensile Strength			
Fracture, 23°C	36.0	MPa	ASTM D638
Fracture, 23°C	30.0	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	50	%	ASTM D638
Fracture, 23°C	45	%	ISO 527-2
Flexural Strength			
23°C	52.0	MPa	ASTM D790
23°C	51.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, 3.20 mm	120	J/m	ASTM D256
23°C	9.0	kJ/m^2	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load [1] (1.8 MPa, Unannealed)	88.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			
--	99.0	°C	ASTM D1525 [2]
--	97.0	°C	ASTM D1525, ISO 306/B50 4 [3]
--	100	°C	ISO 306/A50
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.6 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 - 260	°C	
Mold Temperature	40 - 75	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	210 - 240	°C	
NOTE			
1.	120°C/h		
2.	速率 A (50°C/h), 压 力1 (10N)		
3.	速率 A (50°C/h), 载荷2 (50N)		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China