

# En Chuan 332

General Purpose Polystyrene  
En Chuan Chemical Industries Co., Ltd.

Message:

En Chuan 332 is a General Purpose Polystyrene product. It can be processed by injection molding and is available in Asia Pacific. Applications of En Chuan 332 include consumer goods, business/office goods and lighting applications. Primary characteristic: clarity.

General Information			
Features	High Clarity		
Uses	Consumer Applications		
	Lighting Applications		
	Stationary Supplies		
	Toys		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.18 mm)	36.3	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.18 mm)	2.0	%	ASTM D638
Flexural Modulus <sup>3</sup> (6.35 mm)	2940	MPa	ASTM D790
Flexural Strength <sup>4</sup> (Yield, 6.35 mm)	60.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	13	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load <sup>5</sup> (1.8 MPa, Unannealed, 6.35 mm)	73.0	°C	ASTM D648
Vicat Softening Temperature <sup>6</sup>	92.0	°C	ASTM D1525 <sup>7</sup>
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	2.8 mm/min		
4.	2.8 mm/min		
5.	2.0°C/min		
6.	.125"		
7.	Rate A (50°C/h)		

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