

Unigel PS U8878

High Impact Polystyrene

Unigel Plásticos

Message:

- Excellent performance in injection with high gloss.
- Excellent dimensional stability.
- Good balance flow x mechanical strength.
- Good stiffness.
- Approved for food contact

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Stiffness		
	High Gloss		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.50 mm)	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.30 mm)	85.0	°C	ASTM D648
Vicat Softening Temperature	90.0	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

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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

