

Unigel PS U8854

High Impact Polystyrene

Unigel Plásticos

Message:

- Excellent melt flow.
- Good mechanical resistance.
- Gloss and translucency.
- Suitable for injection and blow-injection and processes that need fast cycles and economic.
- Approved for food contact

General Information	
Features	Fast Molding Cycle
	Food Contact Acceptable
	High Flow
	Medium Gloss
Agency Ratings	FDA 21 CFR 177.1640
Appearance	Translucent
Processing Method	Injection Blow Molding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.5	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)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	> 40	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.50 mm)	90	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.30 mm)	80.0	°C	ASTM D648
Vicat Softening Temperature	88.0	°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

