

# Unigel PS U249

General Purpose Polystyrene

Unigel Plásticos

Message:

- High melt flow.
- Excellent transparency and gloss properties.
- Suitable for co-extrusion and multi-cavity molding.
- Approved for food contact

General Information	
Features	Food Contact Acceptable
	High Clarity
	High Flow
	High Gloss
Agency Ratings	FDA 21 CFR 177.1640
Appearance	Clear/Transparent
Processing Method	Coextrusion
	Multi Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	19	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ASTM D638
Tensile Strength (Break)	40.0	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.50 mm)	19	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.30 mm)	78.0	°C	ASTM D648
Vicat Softening Temperature	88.0	°C	ASTM D1525 <sup>1</sup>
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

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