

# Unigel PS U285G

General Purpose Polystyrene

Unigel Plásticos

Message:

High gloss and transparency.  
Dimensional stability and high heat resistance.  
Recommended for foam process and in blends with high impact polystyrene.  
Approved for food contact

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High Clarity		
	High Gloss		
	High Heat Resistance		
Uses	Blending		
	Foam		
Agency Ratings	FDA 21 CFR 177.1640		
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3250	MPa	ASTM D638
Tensile Strength (Break)	52.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	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)	91.0	°C	ASTM D648
Vicat Softening Temperature	105	°C	ASTM D1525 <sup>1</sup>
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
NOTE			

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Recommended distributors for this material

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