

Unigel PS U278

General Purpose Polystyrene

Unigel Plásticos

Message:

- Average melt flow.
- Excellent transparency and gloss properties.
- Suitable for injection, extrusion and co-extrusion.
- Good mechanical properties.
- Approved for food contact

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

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	10	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638
Tensile Strength (Break)	41.0	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)	77.0	°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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