

Unigel PS U8815

High Impact Polystyrene

Unigel Plásticos

Message:

Excellent high impact for refrigeration and electronic parts.
Excellent moldability, low thermal distortion and high-gloss.
Suitable for extrusion of sheets with high.
Approved for food contact

General Information			
Features	Food Contact Acceptable		
	Good Moldability		
	High Gloss		
	High Impact Resistance		
Uses	Appliance Components		
	Electrical Parts		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ASTM D638
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.50 mm)	160	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.30 mm)	71.0	°C	ASTM D648
Vicat Softening Temperature	92.0	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Optical	Nominal Value	Test Method	
Gardner Gloss (60°)	92	ASTM D523	
NOTE			

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