

Unigel PS U8875

High Impact Polystyrene

Unigel Plásticos

Message:

Excellent performance in sheet extrusion and thermoforming behaviour.
Excellent stress - cracking resistance (ESCR).
Approved for food contact

General Information	
Features	Food Contact Acceptable High ESCR (Stress Crack Resist.)
Uses	Sheet Thermoforming Applications
Agency Ratings	FDA 21 CFR 177.1640
Processing Method	Sheet Extrusion Thermoforming

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)	3.0	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ASTM D638
Tensile Strength (Yield)	17.0	MPa	ASTM D638
Tensile Elongation (Break)	> 60	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.50 mm)	95	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.30 mm)	89.0	°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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WECHAT