

TYRIL™ 875

SAN Resin

Trinseo

Message:

TYRIL* Styrene-acrylonitrile (SAN) resins are designed to offer superior chemical resistance, strength, hardness and dimensional stability in a broad range of product applications. The key property of TYRIL 875 is specifically designed to provide good processability, good chemical resistance, heat resistance, very good strength and optimal aesthetics.

Applications

Small appliances: transparent kitchen-robot parts

General Information			
UL YellowCard	E162447-101267773		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good Strength		
	High Heat Resistance		
	Pleasing Surface Appearance		
Uses	Appliances		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183/B
Apparent Density	0.69	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3700	MPa	ISO 527-2
Tensile Stress (Break)	70.0	MPa	ISO 527-2/5
Flexural Stress	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	17	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	101	°C	ISO 75-2/A
Vicat Softening Temperature	111	°C	ISO 306/A120
Flammability	Nominal Value		Test Method
Flame Rating ¹ (1.50 mm)	HB		UL 94
NOTE			

This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.

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