

Styron TYRIL[®] 875 SAN Resin

Category : Polymer , Thermoplastic , SAN Polymer

Material Notes:

Overview: TYRIL Styrene-acrylonitrile (SAN) resins are designed by Styron 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 appliance: transparent kitchen-robot parts

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-TYRIL-875-SAN-Resin.php

Physical Properties	Metric	English	Comments
Apparent Bulk Density	0.690 g/cc	0.0249 lb/in ³	ISO 60
Melt Flow	6.5 g/10 min @Load 3.80 kg, Temperature 230 °C	6.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-2/50
Tensile Modulus	3.70 GPa	537 ksi	ISO 527-2
Flexural Strength	97.0 MPa	14100 psi	3 points, 2 mm/min; ISO 178
Charpy Impact Unnotched	1.70 J/cm ² @Temperature 23.0 °C	8.09 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	Annealed; ISO 75-2/A
Vicat Softening Point	111 °C	232 °F	ISO 306/A120
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

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