

## Dow Tyril® 125 SAN

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded

### Material Notes:

Dow TYRIL® 125 resin is specially formulated for blending and is an ideal carrier material for use in making color concentrates. It offers high melt flow and excellent chemical resistance. Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Tyiril-125-SAN.php](http://www.lookpolymers.com/polymer_Dow-Tyiril-125-SAN.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM Data
Melt Density	0.914 g/cc	0.0330 lb/in <sup>3</sup>	Melt density
Melt Flow	25 g/10 min @Load 3.80 kg, Temperature 230 °C	25 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM Data
Tensile Strength, Yield	45.0 MPa	6530 psi	ASTM Data
Elongation at Break	1.5 %	1.5 %	ASTM Data
Tensile Modulus	3.31 GPa	480 ksi	ASTM Data
Charpy Impact Unnotched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO Data
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO Data, Low Temp
Charpy Impact, Notched	0.100 J/cm <sup>2</sup>	0.476 ft-lb/in <sup>2</sup>	ISO Data, Low Temp
	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	ISO Data

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 μm/m-°C @Temperature 20.0 °C	35.0 μin/in-°F @Temperature 68.0 °F	ISO data
Specific Heat Capacity	1.68 J/g-°C	0.402 BTU/lb-°F	
Thermal Conductivity	0.113 W/m-K	0.784 BTU-in/hr-ft <sup>2</sup> -°F	
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Unannealed; ASTM Data

Thermal Properties	Metric	English	Comments
Vicat Softening Point			

Optical Properties	Metric	English	Comments
Haze	0.45 %	0.45 %	
Transmission, Visible	91 %	91 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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