

Dow Tyril® 1011 SAN

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

Material Notes:

TYRIL® 1011 SAN copolymer is a light stabilized general purpose injection molding resin available in crystone color only. It exhibits excellent weathering characteristics, high strength, good chemical resistance and excellent processability. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Tyril-1011-SAN.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM Data
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	7.0 g/10 min @Load 3.80 kg, Temperature 230 °C	7.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM Data

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	64.0 MPa	9280 psi	ASTM Data
Tensile Strength, Yield	64.0 MPa	9280 psi	ASTM Data
Elongation at Break	2.2 %	2.2 %	ASTM Data
Tensile Modulus	3.45 GPa	500 ksi	ASTM Data
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	ISO Data
	2.00 J/cm ²	9.52 ft-lb/in ²	ISO Data, Low Temp
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	ISO Data
	0.200 J/cm ²	0.952 ft-lb/in ²	ISO Data, Low Temp

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	67.0 μm/m-°C @Temperature 20.0 °C	37.2 μin/in-°F @Temperature 68.0 °F	ASTM data
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	Unannealed; ASTM Data
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	Unannealed; ASTM Data
Vicat Softening Point	104 °C	219 °F	
	HB	HB	

Thermal Properties	Metric @ Thickness 1.60 mm	English @ Thickness 0.0630 in	Comments
Oxygen Index	18.5 %	18.5 %	

Optical Properties	Metric	English	Comments
Haze	0.80 %	0.80 %	
Transmission, Visible	87.8 %	87.8 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China