

NORYL™ PX9406P resin

Polyphenylene Ether + PS

SABIC Innovative Plastics Asia Pacific

Message:

Unfilled NORYL CLASSICO grade for PV applications

General Information			
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792, ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
260°C/10.0 kg	13.0	cm ³ /10min	ISO 1133
280°C/10.0 kg	41.0	cm ³ /10min	ISO 1133
280°C/5.0 kg	13.0	cm ³ /10min	ISO 1133
300°C/5.0 kg	33.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2520	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	71.0	MPa	ISO 527-2/50
Fracture	56.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	4.5	%	ISO 527-2/50
Fracture	8.0	%	ISO 527-2/50
Flexural Modulus ¹	2520	MPa	ISO 178
Flexural Stress	109	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	10	kJ/m ²	ISO 179/2U
Notched Izod Impact ²			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
23°C	8.4	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	117	°C	ISO 75-2/Af
Vicat Softening Temperature	140	°C	ISO 306/B120
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Linear thermal expansion coefficient			ISO 11359-2
Flow: -40 to 40°C	8.0E-5	cm/cm/°C	ISO 11359-2
Lateral: -40 to 40°C	8.0E-5	cm/cm/°C	ISO 11359-2
RTI Elec	110	°C	UL 746

RTI Imp	105	°C	UL 746
RTI	110	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 2		UL 746
High Voltage Arc Resistance to Ignition (HVAR)	PLC 6		UL 746
High Voltage Arc Tracking Rate (HVTR)	PLC 4		UL 746
Hot-wire Ignition (HWI)	PLC 0		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-0		UL 94
2.50 mm	5VA		UL 94
Glow Wire Flammability Index (0.750 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
0.800 mm	750	°C	IEC 60695-2-13
1.50 mm	775	°C	IEC 60695-2-13
3.00 mm	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	105	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	60.0 - 80.0	°C	
Rear Temperature	260 - 280	°C	
Middle Temperature	280 - 300	°C	
Front Temperature	270 - 290	°C	
Processing (Melt) Temp	280 - 300	°C	
Mold Temperature	80.0 - 100	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4		
3.	80*10*4 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT