

TECHNIACE® W-870

Acrylonitrile Ethylene Styrene + PC

Nippon A&L; Inc.

Message:

TECHNIACE® W-870 is an Acrylonitrile Ethylene Styrene + PC (AES+PC) material. It is available in Asia Pacific or North America for injection molding. Important attributes of TECHNIACE® W-870 are:
Good Weather Resistance
Heat Resistant

General Information			
Features	Good Weather Resistance		
	Medium Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.50	cm³/10min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	122		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	60.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	55	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	107	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	7.3E-5	cm/cm/°C	JIS K7197
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	> 3.0	hr	
Rear Temperature	240 to 280	°C	
Middle Temperature	240 to 280	°C	
Front Temperature	240 to 280	°C	
Mold Temperature	40.0 to 80.0	°C	

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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



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