

UMG ALLOY® CD900

Acrylonitrile Styrene Acrylate + PC

UMG ABS, Ltd.

Message:

UMG ALLOY® CD900 is an Acrylonitrile Styrene Acrylate + PC (ASA+PC) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of UMG ALLOY® CD900 are:

Flame Rated

RoHS Compliant

General Information			
RoHS Compliance	RoHS Compliant		
UL File Number	E47016		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.18	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	18.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (23°C)	0.50 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	113		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-2
Tensile Stress (23°C)	53.0	MPa	ISO 527-2
Flexural Modulus ¹ (23°C)	2350	MPa	ISO 178
Flexural Stress ² (23°C)	83.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m ²	
23°C	53	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	83.0	°C	ISO 75-2/Af
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.00 mm	V-0		
1.80 mm	5VB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0 to 5.0	hr	
Rear Temperature	210 to 240	°C	

Middle Temperature	220 to 250	°C
Front Temperature	230 to 260	°C
Nozzle Temperature	220 to 250	°C
Processing (Melt) Temp	240 to 270	°C
Mold Temperature	60.0 to 80.0	°C
Injection Pressure	70.0 to 140	MPa
Injection Rate	Moderate	
Back Pressure	5.00 to 15.0	MPa
Screw Speed	50 to 80	rpm
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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

