

DENKA Transparent Polymer TH-23

Methyl Methacrylate Butadiene Styrene

Denka Company Limited

Message:

DENKA Transparent Polymer TH-23 is a Methyl Methacrylate Butadiene Styrene (MMBS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
UL YellowCard	E49895-101202374	E49895-241555	
Features	High Impact Resistance		
UL File Number	E49895		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.08	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
200°C/5.0 kg	3.9	g/10 min	
220°C/10.0 kg	59	g/10 min	
Molding Shrinkage (2.00 mm)	0.40	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	29		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.0	MPa	ISO 527-2/5
Nominal Tensile Strain at Break	34	%	ISO 527-2/5
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	63.0	°C	ISO 75-2/Af
Vicat Softening Temperature	84.0	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 µm)	91.0	%	ISO 13468-1
Haze (2000 µm)	2.7	%	ISO 14782
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	2.0 to 3.0	hr	

Rear Temperature	210 to 240	°C
Middle Temperature	210 to 240	°C
Front Temperature	210 to 240	°C
Nozzle Temperature	230 to 240	°C
Mold Temperature	40.0 to 70.0	°C

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



WECHAT