

Starex TX-0520I

Methyl Methacrylate / ABS
LOTTE ADVANCED MATERIALS CO., LTD.

Message:

Starex TX-0520I is a methyl methacrylate/ABS (MABS) product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: electrical appliances. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E115797-101048866		
Uses	Electrical appliances		
Appearance	Clear/transparent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity (Natural)	1.09	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow: 3.20mm	0.40	%	ASTM D955
Transverse flow: 3.20mm	0.60	%	ASTM D955
Lateral flow: 3.20mm	0.60	%	ISO 2577
Traffic: 3.20mm	0.40	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	108		ASTM D785
R scale	108		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	1800	MPa	ASTM D638
--	1900	MPa	ISO 527-2/5
Tensile Strength			
Yield ²	42.0	MPa	ASTM D638
Yield	47.0	MPa	ISO 527-2/5
Fracture ³	37.0	MPa	ASTM D638
Fracture	40.0	MPa	ISO 527-2/5
Tensile Elongation			
Fracture ⁴	20	%	ASTM D638
Fracture	20	%	ISO 527-2/5
Flexural Modulus			
-- ⁵	2000	MPa	ASTM D790
-- ⁶	2200	MPa	ISO 178
Flexural Strength			
-- ⁷	59.0	MPa	ASTM D790

-- 8	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁹ (23°C)	12	kJ/m ²	ISO 179/1eA
Notched Izod Impact			
23°C, 3.18 mm	140	J/m	ASTM D256
23°C, 6.35 mm	130	J/m	ASTM D256
23°C ¹⁰	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, unannealed, 6.40mm	95.0	°C	ASTM D648
0.45 MPa, unannealed, 4.00mm	82.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 6.40mm	78.0	°C	ASTM D648
1.8 MPa, not annealed, 4.00mm	71.0	°C	ISO 75-2/A
Vicat Softening Temperature	91.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.5 to 3.0mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (3200 μm)	90.0	%	ASTM D1003
Haze (3200 μm)	2.0	%	ASTM D1003
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	5.0 mm/min		
4.	5.0 mm/min		
5.	2.8 mm/min		
6.	2.0 mm/min		
7.	2.8 mm/min		
8.	2.0 mm/min		
9.	Thickness: 4mm		
10.	Thickness: 4mm		

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