

Lotte® TX-0550K

Home Appliances

Information provided by Lotte Advanced Materials.

Vendors:

No vendors are listed for this material. Please click [here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in³	ASTM D792

Melt Flow	27.0 g/10 min @Load 10.0 kg, Temperature 220 °C	27.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785

Tensile Strength at Break	34.3 MPa	4970 psi	5 mm/min; ASTM D638
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Tensile Strength, Yield	39.2 MPa	5690 psi	5 mm/min; ASTM D638
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Tensile Modulus	1.90 GPa	276 ksi	5 mm/min; ASTM D638
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Flexural Strength	58.8 MPa	8530 psi	2.8 mm/min; ASTM D790
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Flexural Modulus	1.91 GPa	277 ksi	2.8 mm/min; ASTM D790
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Izod Impact, Notched	1.67 J/cm @Thickness 6.35 mm	3.12 ft-lb/in @Thickness 0.250 in	ASTM D256
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	1.77 J/cm @Thickness 3.17 mm	3.31 ft-lb/in @Thickness 0.125 in	ASTM D256
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Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C @Thickness 6.40 mm	178 °F @Thickness 0.252 in	ASTM D648

Vicat Softening Point	90.0 °C	194 °F	B/50; ISO 306
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Flammability, UL94	V-0 @Thickness 0.700 mm	V-0 @Thickness 0.0276 in	
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	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
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	5VB @Thickness 3.00 mm	5VB @Thickness 0.118 in	
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	5VA @Thickness 3.00 mm	5VA @Thickness 0.118 in	
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Shrinkage, MD	0.00400 - 0.00800 % @Thickness 3.20 mm	0.00400 - 0.00800 % @Thickness 0.126 in	ASTM D955
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Shrinkage, TD	0.00400 - 0.00800 % @Thickness 3.20 mm	0.00400 - 0.00800 % @Thickness 0.126 in	ASTM D955
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