

TECHNICAL DATA SHEET

TOYOLAC® 700-X01

Toray Industries, Inc.
ABS

Product Text

Product Information

This material is also produced by Toray Plastics (Malaysia).

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	220	°C	
Load	10	kg	
Mechanical Properties	Value	Unit	Standard
Yield stress	51	MPa	ISO 527
Strain at break	21	%	ISO 527
Flexural modulus, 23°C	2370	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 114		ISO 2039-2
Tensile strength	47	MPa	ASTM D 638
Elongation at break	15	%	ASTM D 638
Flexural modulus	2350	MPa	ASTM D 790
Rockwell hardness	R 114		ASTM D 785
Izod impact notched, 1/8 in	196	J/m	ASTM D 256
Izod impact notched, Low-Temperature	108	J/m	ASTM D 256
Temperature	-30	°C	
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
UL 94 flame rating	HB		UL 94
Coefficient of thermal expansion, MD	72	E-6/K	ASTM D 696
DTUL @ 264 psi	86	°C	ASTM D 648

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Other Properties	Value	Unit	Standard
Density	1050	kg/m ³	ISO 1183
Density	1050	kg/m ³	ASTM D 792