

TOYOLAC® AX05-X38

ABS

Toray Industries, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	29	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Mechanical properties			
ISO Data			
Tensile Strength	42	MPa	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	2010	MPa	ISO 178
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 108	-	ISO 2039-2
ASTM Data			
Tensile Strength	40	MPa	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2000	MPa	ASTM D 790
Rockwell Hardness	R 108	-	ASTM D 785
Izod Impact notched, 1/8 in	440	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	79	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	84	°C	ASTM D 648
Other properties			
Density	1040	kg/m ³	ISO 1183
Density	1040	kg/m ³	ASTM D 792

Characteristics**Regional Availability**

North America, Europe, Asia Pacific, South and Central America