

Toyolac® AX05-X08

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® AX05-X08 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

High Flow

General Information			
Features	Detergent Resistant		
	High Flow		
Part Marking Code	>ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04	g/cm ³	ASTM D792
23°C	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	29	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	108		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	40.0	MPa	ASTM D638
23°C	42.0	MPa	ISO 527-2
Tensile Elongation			
Break	20	%	ASTM D638
Break, 23°C	15	%	ISO 527-2
Flexural Modulus			
--	2000	MPa	ASTM D790
23°C	2010	MPa	ISO 178
Flexural Strength			
--	60.0	MPa	ASTM D790
23°C	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30	kJ/m ²	ISO 179
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	440	J/m	
23°C, 12.7 mm	270	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	84.0	°C	ASTM D648
1.8 MPa, Unannealed	79.0	°C	ISO 75-2/A
Vicat Softening Temperature	90.0 to 95.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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

