

performanceplastics

Toyolac 884 X01 ABS: Flame Retardant

Toyolac 884 X01 is specifically engineered to meet the need for high performance products in flame retardant resin applications. Toyolac 884 X01 provides an optimum balance of physical properties, high heat resistance, outstanding UV stability and good finished part aesthetics.

Properties

Physical	Method	Condition	Unit	Value
Melt flow rate	ISO 1133	200°C /5kg	g/10min	5
Specific gravity	ASTM D792			1.15
Mold Shrinkage	ASTM D955	–	%	0.4~0.7

Mechanical	Method	Condition	Unit	Value
Tensile stress at yield	ASTM D638	5mm/min	MPa	45
Tensile strain at break	ASTM D638	5mm/min	%	>5
Flexural Strength	ASTM D790	3mm/min	MPa	68
Flexural Modulus	ASTM D790	3mm/min	MPa	2310
Rockwell hardness	ASTM D785	R scale		104
IZOD Impact strength, notched	ASTM D256	12.7 x 62.5 x 12.7mm 23°C	J/m	157
	ASTM D256	12.7 x 62.5 x 3.2mm,23°C	J/m	245

Thermal	Method	Condition	Unit	Value
Heat Deflection Temp	ASTM D648	1.82 Mpa ,18.5kg/cm ² (unannealed)	°C	76

Flammability	Method	Condition	Unit	Value
Flammability	UL94	0.75mm		V2
	UL94	1.50mm		V0
	UL94	2.50mm		5VA

The values quoted are the average of results obtained under laboratory conditions and are given only as an indication to enable customers to make use of our products.

Prospective users should determine the suitability of materials before adopting them on a commercial scale.

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