

TOYOLAC® 250-SG5

ABS

Toray Industries, Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	50	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	54	MPa	ISO 527
Strain at break	7	%	ISO 527
Flexural modulus, 23°C	2390	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 112	-	ISO 2039-2

ASTM Data			
Tensile Strength	47	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2350	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	88	°C	ASTM D 648

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

Characteristics**Regional Availability**

North America, Europe, Asia Pacific, South and Central America,
Near East/Africa