

TECHNICAL DATA SHEET

TOYOLAC® 100G-20

Toray Industries, Inc.
ABS-GF20

Delivery Form

Pellets

Product Text

Product Information

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

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	17	g/10min	ISO 1133
Temperature	240	°C	
Load	10	kg	
Mechanical Properties	Value	Unit	Standard
Tensile strength	102	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	6540	MPa	ISO 178
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 120		ISO 2039-2
Tensile strength	98	MPa	ASTM D 638
Elongation at break	3	%	ASTM D 638
Flexural modulus	6200	MPa	ASTM D 790
Rockwell hardness	R 120		ASTM D 785
Izod impact notched, 1/8 in	74	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	104	°C	ISO 75-1/-2
UL 94 flame rating	HB		UL 94
DTUL @ 264 psi	102	°C	ASTM D 648
Other Properties	Value	Unit	Standard
Density	1180	kg/m ³	ISO 1183

TOYOLAC® 100G-20

Toray Industries, Inc.

Other Properties	Value	Unit	Standard
Density	1180	kg/m ³	ASTM D 792