

TECHNICAL DATA SHEET

TOYOLAC® 920 555

Toray Industries, Inc.
ABS

Special Characteristics

Transparent

Product Text

Product Information

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

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	220	°C	
Load	10	kg	
Mechanical Properties	Value	Unit	Standard
Tensile strength	54	MPa	ISO 527
Strain at break	17	%	ISO 527
Flexural modulus, 23°C	2260	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 115		ISO 2039-2
Tensile strength	48	MPa	ASTM D 638
Elongation at break	20	%	ASTM D 638
Flexural modulus	2160	MPa	ASTM D 790
Rockwell hardness	R 115		ASTM D 785
Izod impact notched, 1/8 in	108	J/m	ASTM D 256
Thermal Properties	Value	Unit	Standard
Temp. of deflection under load, 1.80 MPa	77	°C	ISO 75-1/-2
UL 94 flame rating	HB		UL 94
DTUL @ 264 psi	83	°C	ASTM D 648
Optical Properties	Value	Unit	Standard
Haze	2		ISO 14782

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Other Properties	Value	Unit	Standard
Density	1090	kg/m ³	ISO 1183
Density	1090	kg/m ³	ASTM D 792