

CYCOLOY™ Resin MC8100 - Asia

(PC+ABS)

Saudi Basic Industries Corporation (SABIC)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2060	MPa	ASTM D 638
Tensile Strength at Yield	52	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Izod Impact notched, 1/8 in	534	J/m	ASTM D 256
Izod Impact notched, Low-Temperature Temperature	427 -30	J/m °C	ASTM D 256 -
Thermal properties			
ASTM Data			
DTUL @ 66 psi	123	°C	ASTM D 648
DTUL @ 264 psi	104	°C	ASTM D 648
Thermal Conductivity, solid state	0.2	W/(m K)	ASTM C 177
Other properties			
Water Absorption, 24hr	0.1	%	ASTM D 570
Water Absorption, Equilibrium	0.4	%	ASTM D 570
Density	1130	kg/m ³	ASTM D 792