

CYCOLOY™ MC5513 resin

Polycarbonate + ABS

SABIC Innovative Plastics Asia Pacific

Message:

CYCOLOY™MC5513 resin is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in the Asia-Pacific region.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.60	%	Internal method
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.0	MPa	Internal method
Tensile Elongation (Break)	60	%	Internal method
Flexural Modulus	2390	MPa	ASTM D790
Flexural Strength	81.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	105	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	6.0E-5 - 8.0E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257

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Recommended distributors for this material

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