

RTP 2599 X 133923

Polycarbonate/ABS Alloy (PC/ABS)

Polycarbonate

RTP Company

Technical Data

Product Description

Flame Retardant - Halogen Free

General

Features	• Flame Retardant	• Halogen Free
RoHS Compliance	• Contact Manufacturer	
Processing Method	• Injection Molding	

Physical

	Nominal Value Unit	Test Method
Density / Specific Gravity	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	35 g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70 %	ASTM D955
Moisture Content	0.020 %	

Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	2550 MPa	ASTM D638
Tensile Strength	55.2 MPa	ASTM D638
Tensile Elongation (Yield)	> 80 %	ASTM D638
Flexural Modulus	2760 MPa	ASTM D790
Flexural Strength	86.2 MPa	ASTM D790

Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	640 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break	ASTM D4812

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	96.1 °C	
1.8 MPa, Unannealed	87.8 °C	

Flammability

	Nominal Value Unit	Test Method
Flame Rating (1.5 mm)	V-0	UL 94

Injection

	Nominal Value Unit
Drying Temperature	93 °C
Drying Time	4.0 hr
Dew Point	-29 °C
Processing (Melt) Temp	243 to 274 °C
Mold Temperature	52 to 93 °C
Injection Pressure	68.9 to 103 MPa

Injection Notes

Desiccant Type Dryer Required.