RTP 2599 X 133923
Polycarbonate/ABS Alloy (PC/ABS)

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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/cm³	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.