

## Technical Data Sheet

**Diamaloy ABSPC 750 50263GRY**

Polycarbonate + ABS

**Product Description**

*Diamaloy* ABSPC 750 50263GRY is a Polycarbonate + ABS material. Features include: Halogen Free.

<b>Attribute</b>	Halogen Free
<b>Additive</b>	Flame Retardant

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/3.8 kg, Procedure A)	18	g/10 min	ASTM D1238
Density - Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Elongation at Yield, (51 mm/min, Type I)	4.5	%	ASTM D638
Tensile Strength at Yield, (51 mm/min, Type I)	61.6	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Procedure B, Method I (3 point load))	2590	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact, (3.18 mm, Method A)	640	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	87.8	°C	ASTM D648
<b>UL Information</b>			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	V-0		UL 94
(2.0 mm)	5VB		UL 94
UL File Number, (USA)	E150937		

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time, (Desiccant Dryer)	4.0 to 6.0	hr
Drying Temperature, (Desiccant Dryer)	82 to 99	°C
Suggested Max Moisture	0.02	%
Front Temperature	216 to 249	°C
Middle Temperature	204 to 238	°C
Rear Temperature	204 to 227	°C
Back Pressure	0.517 to 1.03	MPa
Mold Temperature	49 to 71	°C