

Technical Data Sheet

Diamaloy ABSPC 750 50263GRY



Polycarbonate + ABS

Product Description

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

Attribute	Halogen Free
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/3.8 kg, Procedure A)	18	g/10 min	ASTM D1238
Density - Specific Gravity	1.17	g/cm ³	ASTM D792
Mechanical			
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
Impact			
Notched Izod Impact, (3.18 mm, Method A)	640	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	87.8	°C	ASTM D648
UL Information			
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		

Injection Parameters	Nominal Value	Units
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