

Technical Data Sheet

Diamaloy ABSPC 750 50263GRY



Polycarbonate + ABS

Product Description

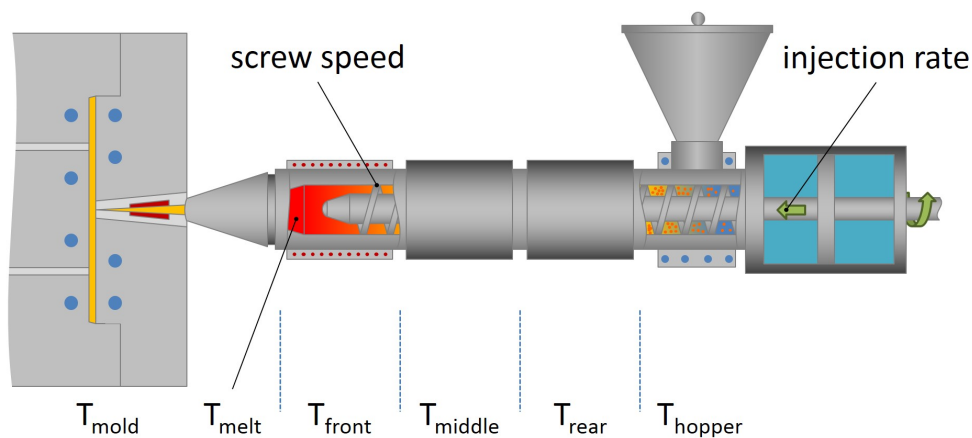
Diamaloy ABSPC 750 50263GRY is a Polycarbonate + ABS material. Features include: Halogen Free.

Regulatory Status

For regulatory compliance information, see ABSPC 750 50263GRY [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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