

Technical Data Sheet

Diamaloy ASAPC GLY 130 1781 UVBLK



Polycarbonate + ASA

Product Description

Diamaloy ASAPC GLY 130 1781 UVBLK is a Polycarbonate + ASA material.

Regulatory Status

For regulatory compliance information, see ASAPC GLY 130 1781 UVBLK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Forms	Pellets
Additive	UV Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (265 °C/5.0 kg, Procedure A)	35	g/10 min	ASTM D1238
Density - Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (51 mm/min)	61.4	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Procedure B, Method I (3 point load))	2500	MPa	ASTM D790
Impact			
Notched Izod Impact, (3.18 mm, Method A)	430	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	116		ASTM D785
Thermal			
Vicat Softening Temperature, (Loading 1 (10 N))	137	°C	ASTM D1525
Deflection Temperature Under Load Annealed (264 psi), (6.35 mm)	121	°C	ASTM D648
Deflection Temperature Under Load Unannealed (264 psi), (6.35 mm)	103	°C	ASTM D648
Coefficient of Linear Thermal Expansion (CLTE), Flow, (-30 to 80 °C)	6.8E-5	cm/cm/°C	ASTM D696



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	80 to 85	°C
Suggested Max Moisture	0.1	%
Nozzle Temperature	232 to 271	°C
Processing (Melt) Temp	232 to 271	°C
Front Temperature	232 to 271	°C
Suggested Shot Size	40 to 70	%
Middle Temperature	232 to 265	°C
Rear Temperature	227 to 260	°C
Injection Rate	Fast	
Back Pressure	0.517 to 1.03	MPa
Mold Temperature	40 to 80	°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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