

Technical Data Sheet

Diamaloy PCPCTG 808 C2 WWNAT



Polycarbonate Alloy

Product Description

Diamaloy PCPCTG 808 C2 WWNAT is a Polycarbonate Alloy material.

Regulatory Status

For regulatory compliance information, see PCPCTG 808 C2 WWNAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status Commercial: Active

Availability North America

Forms Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(200 °C/5.0 kg, Procedure A)	3.0	g/10 min	ASTM D1238
(230 °C/3.8 kg, Procedure A)	12	g/10 min	ASTM D1238
(300 °C/1.2 kg, Procedure A)	78	g/10 min	ASTM D1238
Density - Specific Gravity	1.21	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (51 mm/min)	55.2	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Tangent)	2070	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	>36.2	J	ASTM D5420
Reverse Notch Izod Impact, (23 °C, 3.18 mm)	No Break		ASTM D256
Notched Izod Impact, (23 °C, 3.18 mm)	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	77.8	°C	ASTM D648
Optical			
Haze	1	%	ASTM D1003
Light Transmittance	90	%	ASTM D1003
Additional Information			
Water Absorption at 24 hrs, (23 °C)	0.15	%	ASTM D570
Water Absorption at Equil, (23 °C)	0.35	%	ASTM D570

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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