

Technical Data Sheet

Diamaloy PCPCTG 808 C2 WWNAT

Polycarbonate Alloy

Product Description

Diamaloy PCPCTG 808 C2 WWNAT is a Polycarbonate Alloy material.

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