

Diamaloy PCPCTG 808 C2 WWNAT

LyondellBasell Industries - Polycarbonate Alloy

General Information

Product Description

Diamaloy PCPCTG 808 C2 WWNAT is a Polycarbonate Alloy material.

General

Forms • Pellets

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Melt Mass-Flow Rate (MFR) ²			ASTM D1238
200°C/5.0 kg	3.0	g/10 min	
230°C/3.8 kg	12	g/10 min	
300°C/1.2 kg	78	g/10 min	
Water Absorption (24 hr, 73°F)	0.15	%	ASTM D570
Water Absorption (Equilibrium, 73°F)	0.35	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ³ (Yield)	8010	psi	ASTM D638
Flexural Modulus - Tangent ⁴	300000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.1	ft-lb/in	ASTM D256
Reverse Notch Izod Impact (73°F, 0.125 in)	No Break		ASTM D256
Gardner Impact (73°F)	> 320	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in	172	°F	
Optical	Nominal Value	Unit	Test Method
Light Transmittance	90.0	%	ASTM D1003
Haze	1.00	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A

³ 2.0 in/min

⁴ 0.051 in/min