

Diamond POL051LCLEARNAT

LyondellBasell Industries - Polycarbonate

General Information

Product Description

Diamond POL051LCLEARNAT is a Polycarbonate material. Features include: Medium Viscosity.

General

Features	• Medium Viscosity
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	261000	psi	ASTM D638
Tensile Strength (Yield)	10200	psi	ASTM D638
Tensile Strength (Break)	10200	psi	ASTM D638
Tensile Elongation (Yield)	110	%	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	392000	psi	ASTM D790
Flexural Strength	14200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	284	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	252	°F	ASTM D648