

Diamond ABS881LCLEARNAT

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Diamond ABS881LCLEARNAT is a Acrylonitrile Butadiene Styrene material.

General

Appearance	• Clear/Transparent
Forms	• Pellets
Resin ID	• MABS

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	290000	psi	ASTM D638
Tensile Strength (Yield)	6240	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Flexural Strength	8700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	189	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 4.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	374 to 482	°F
Middle Temperature	374 to 482	°F
Front Temperature	374 to 482	°F
Mold Temperature	104 to 176	°F
Injection Rate	Moderate-Fast	