

Perlex R223-IX BLACK 2-0748

LyondellBasell Industries - Polycarbonate

General Information

Product Description

Perlex R223-IX BLACK 2-0748 is a Polycarbonate material. Features include: UV Stabilized.

General

Additive	• UV Stabilizer
Features	• UV Stabilized

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	16	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	341000	psi	ISO 527-1
Tensile Stress (Yield)	8700	psi	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Stress	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	21	ft-lb/in ²	ISO 179
Charpy Unnotched Impact Strength (73°F)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	257	°F	ISO 75-2/A
Vicat Softening Temperature	288	°F	ISO 306/B50
Ball Pressure Test (257°F)	Pass		IEC 60695-10-2
Flammability	Nominal Value	Unit	Test Method
Burning Rate (0.0787 in)	< 3.0	in/min	ISO 3795
Flame Rating			UL 94
0.06 in		HB	
0.13 in		HB	
Glow Wire Flammability Index	1560	°F	IEC 60695-2-12