

CYREX® 200-8000

(PC+PMMA)

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3.9	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3400	MPa	ASTM D 638
Tensile Strength	61	MPa	ASTM D 638
Elongation at Yield	4.7	%	ASTM D 638
Elongation at Break	58	%	ASTM D 638
Flexural Modulus	3400	MPa	ASTM D 790
Flexural Strength	86.2	MPa	ASTM D 790
Rockwell Hardness	M 46	-	ASTM D 785
Izod Impact notched, 1/8 in	1600	J/m	ASTM D 256
Izod Impact notched, 1/4 in	213	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	0	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	93.6	E-6/K	ASTM D 696
Vicat Temperature	136	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water Absorption, Equilibrium	0.3	%	ASTM D 570
Density	1150	kg/m ³	ASTM D 792
Bulk Density	650	kg/m ³	-

Characteristics**Processing**

Injection Molding, Sheet Extrusion, Other Extrusion, Thermoforming

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance

Applications

Automotive, General Purpose

Regional Availability

North America