

**CYREX® 953**

(PC+PMMA)

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	1.9	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
<b>ASTM Data</b>			
Tensile Modulus	2100	MPa	ASTM D 638
Tensile Strength	54.2	MPa	ASTM D 638
Elongation at Yield	4.2	%	ASTM D 638
Elongation at Break	88	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	86.2	MPa	ASTM D 790
Rockwell Hardness	M 44	-	ASTM D 785
Izod Impact notched, 1/8 in	1390	J/m	ASTM D 256
Izod Impact notched, 1/4 in	913	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	0	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	93.6	E-6/K	ASTM D 696
Vicat Temperature	135	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Water Absorption, Equilibrium	0.3	%	ASTM D 570
Density	1150	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82	°C	-
Pre-drying - Time	3 - 4	h	-

**Characteristics****Special Characteristics**

High impact or impact modified

**Regional Availability**

North America