

CYREX® Protect RX2P

(PC+PMMA)

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2140	MPa	ASTM D 638
Tensile Strength	54.4	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	92.4	MPa	ASTM D 790
Izod Impact notched, 1/4 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Vicat Temperature	130	°C	ASTM D 1525

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	243 - 266	°C	-
Mold temperature	65 - 99	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

White

Special Characteristics

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

Applications

Medical

Regional Availability

North America