

**ColorRx® ACR-0300HIRXG**

PMMA

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	3.3	g/10min	ASTM D 1238
Mold Shrinkage, MD	0.4	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	35.9	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	1855	MPa	ASTM D 790
Flexural Strength	68.9	MPa	ASTM D 790
Rockwell Hardness	M38	-	ASTM D 785
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	82.2 <sup>[ann.]</sup>	°C	ASTM D 648
ann.: annealed			
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	2	%	ASTM D 1003
Light Transmittance	92	%	ASTM D 1003
<b>Other properties</b>			
Water Absorption, 24hr	0.4	%	ASTM D 570
Density	1150	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

High impact or impact modified, Transparent, Sterilizable, Gamma irradiation sterilization

**Chemical Resistance**

Radiation Resistance

**Certifications**

Medical Grade, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved

**Applications**

Medical

**Regional Availability**

North America