

**ACRYLITE® Resist ZK6SR**

PMMA

Evonik CYRO LLC

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>1.3</b>	g/10min	ASTM D 1238
Temperature	<b>230</b>	°C	-
Load	<b>3.8</b>	kg	-
Mold Shrinkage, MD	<b>0.0055</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>1600</b>	MPa	ASTM D 638
Tensile Strength	<b>41</b>	MPa	ASTM D 638
Elongation at Yield	<b>5</b>	%	ASTM D 638
Elongation at Break	<b>60</b>	%	ASTM D 638
Flexural Modulus	<b>1400</b>	MPa	ASTM D 790
Flexural Strength	<b>55.2</b>	MPa	ASTM D 790
Rockwell Hardness	<b>M 40</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>59</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>59</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Coefficient of Thermal Expansion, MD	<b>90</b>	E-6/K	ASTM D 696
Vicat Temperature	<b>91</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze	<b>2</b>	%	ASTM D 1003
Light Transmittance	<b>90</b>	%	ASTM D 1003
Index of Refraction	<b>1.49</b>	-	ASTM D 542
<b>Other properties</b>			
Water Absorption, Equilibrium	<b>0.3</b>	%	ASTM D 570
Density	<b>1160</b>	kg/m <sup>3</sup>	ASTM D 792
Bulk Density	<b>710</b>	kg/m <sup>3</sup>	-

**Characteristics****Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

**Features**

Amorphous, Light Guiding, Melt Strength

**Chemical Resistance**

Environmental Stress Crack Resistance

**Regional Availability**

North America