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Title **Central Community Center** 10/26/2021  
by **Matt Dziubinski** in **Member District ADA Project Request** id. 21622484  
mdziubinski@mppd.org

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**Original Submission** 10/26/2021

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Name **Matt Dziubinski**

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Job Title **Superintendent of Parks & Planning**

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E-mail Address **mdziubinski@mppd.org**

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Phone Number **8479566773**

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Park District **Mt. Prospect**

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Project Location **Central Community Center**

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Project Status **Alteration  
Addition**

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Project Type **Special Rooms, Spaces and Elements**

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Special Rooms, Spaces and Elements- select a Project Category below: **Assembly Areas**

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Benefits of the Project **The panels will allow patrons to view the rink activities from outside the rink while in a seated position. This will provide lines of sight and viewing angles that are comparable to other spectator seating, as per interpretation of sections 221.2.3, 4.33.3, and 802.2.**

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Items that will become ADA Compliant **This improvement will provide a ADA compliant viewing area on the North side, mid rink at the Central Community Center.**

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The project is designed or constructed, or applies human resources, to comply with: **The 2010 Standards for Accessible Design**

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Upload Project Related Files, Photos, Videos or Audio

[MPPD\\_CCC\\_Rink\\_Viewing\\_NWSRA\\_Request.pdf](#)

[polycarbonate.pdf](#)

[CCC\\_Clearviewing.jpg](#)

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Budget Table for ADA Related Expenses

[Budget Table.xlsx](#)

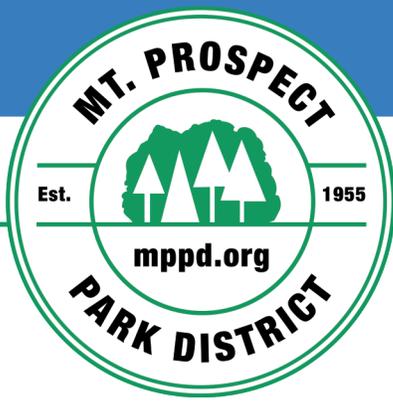
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ADA Dollars Requested	<b>1000.0</b>
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Notes related to requested amount	n/a
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November 17, 2021

Ms. Tracey Crawford, CTRS, CPRP  
Executive Director  
Northwest Special Recreation Association  
3000 Central Rd. - Suite 205  
Rolling Meadows, IL 60008

Re: ADA Improvements – New ADA Viewing Area at the Central Community Center Indoor Rink

Dear Ms. Crawford:

The Mt. Prospect Park District hereby notifies and requests approval of the NWSRA Board of Directors for the proposed expenditures of funds from the Park District's Special Recreation levy to pay for the following improvements:

- The District seeks the purchase and replacement of approximately 64 sq ft of solid white rink boards with clear polycarbonate panels. The location of the viewing area will be located on the North side, mid rink.

The panels will allow patrons to view the rink activities from outside the rink while in a seated position. This will provide lines of sight and viewing angles that are comparable to other spectator seating, as per interpretation of sections 221.2.3, 4.33.3, and 802.2.

The Mt. Prospect Park District respectfully requests reimbursement for this improvement, to be installed at the CCC indoor rink, with a cost not to exceed **\$1,000.00**. If you have any questions or require additional information, please do not hesitate to contact me at (847) 956-6773 Ext. 459 or bsmith@mppd.org.

Sincerely,

Robert Smith  
Buildings Department Manager  
Mt. Prospect Park District

CC Matt Dziubinski / Superintendent of Parks & Planning / Mt. Prospect Park District  
Jim Jarog / Executive Director / Mt. Prospect Park District

**Central Community Center**

1000 W. Central Rd.  
Mount Prospect, IL 60056

847-255-5380

**RecPlex**

420 W. Dempster St.  
Mount Prospect, IL 60056

847-640-1000

**Lions Recreation Center**

411 S. Maple St.  
Mount Prospect, IL 60056

847-632-9333

**Friendship Park Conservatory**

395 W. Algonquin Rd.  
Des Plaines, IL 60018

847-298-3500

**Mt. Prospect Golf Club**

600 See-Gwun Ave.  
Mount Prospect, IL 60056

847-259-4200

**Our Mission:**

To provide exceptional parks and recreation experiences that enrich the quality of life for present and future generations

# TECHNICAL DATA SHEET

## Polycarbonate

(PC)

Polycarbonate is best known for its impact resistance but has additional properties like: Optical transparency, excellent creep resistance, wide temperature range, high dimensional stability, good electrical characteristics and self-extinguishing behavior. Polycarbonate's good heat resistance offers a high melt temperature (it does require higher processing temperatures).

Polycarbonate is a tough, dimensionally stable, transparent thermoplastic that has many applications which demand high performance properties. This versatile thermoplastic maintains its properties over a wide range of temperatures, from -40°F to 280°F. It has the highest impact resistance of any Thermoplastic, transparent up to 2" in special grades, outstanding dimensional and thermal stability, exceptional machinability, stain resistant and non-toxic while having low water absorption.

Machine Grade is relatively stress free to permit the most demanding machining. It is also available in glass-filled. This polycarbonate grade is perfect for high performance uses in tough applications over a broad temperature range.

Window Grade is optically clear, providing total luminous transmittance and a very low haze factor. The high impact strength makes it resistant to repeated blows, shattering and spalling. Glass Filled Grade

Glass-reinforced polycarbonate is primarily selected as a replacement for die-cast aluminum and zinc, when these metals are being used and an upgrade is desired. The coefficient of thermal expansion is reduced by nearly 75%, thus equaling that of some metals. While glass-reinforced has less impact strength than standard grades, it is still tougher and more impact resistant than most other plastics and die cast aluminum.

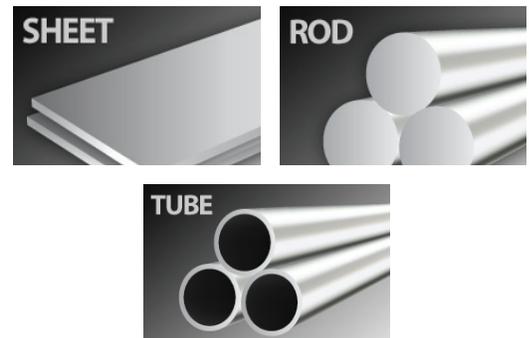
### Benefits

- Impact resistance
- Durability
- Machinability
- Formability
- Transparent
- Easily cleaned
- Scratches easily removed
- Temperature range
- UV stable
- High dielectric strength

### Applications

- Medical components
- Lenses
- Equipment housings
- Electronics
- Defense
- Automotive
- Lighting fixtures
- Vehicle windows
- Structural parts
- Nameplates and bezels

### SHAPES AVAILABLE



**SEE NEXT PAGE FOR ADDITIONAL INFORMATION**



## TYPICAL PROPERTIES of POLYCARBONATE

ASTM or UL test	Property	Unfilled	30% Glass
<b>PHYSICAL</b>			
D792	Density (lb/in <sup>3</sup> ) (g/cm <sup>3</sup> )	0.043 1.2	0.052 1.43
D570	Water Absorption, 24 hrs (%)	0.12	0.12
<b>MECHANICAL</b>			
D638	Tensile Strength (psi)	9,500	19,000
D638	Tensile Modulus (psi)	320,000	-
D638	Tensile Elongation at Break (%)	60	10
D790	Flexural Strength (psi)	15,000	23,000
D790	Flexural Modulus (psi)	375,000	1,100,000
D695	Compressive Strength (psi)	12,000	18,000
D695	Compressive Modulus (psi)	240,000	500,000
D785	Hardness, Rockwell	M70 / R118	M92
D256	IZOD Notched Impact (ft-lb/in)	13	2
<b>THERMAL</b>			
D696	Coefficient of Linear Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	3.9	1.2
D648	Heat Deflection Temp (°F / °C) at 264 psi	270 / 132	295 / 146
D3418	Glass Transition Temp (°F / °C)	293 / 145	300 / 149
-	Max Operating Temp (°F / °C)	250 / 121	270 / 132
C177	Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F) (x 10 <sup>-4</sup> cal/cm-sec-°C)	1.3 6.9	1.3 6.9
UL94	Flammability Rating @ less than .45" (11.5mm) thickness @ .45" (11.5mm) thickness and above	H-B V-0	H-B V-0
<b>ELECTRICAL</b>			
D149	Dielectric Strength (V/mil) short time, 1/8" thick	390	470
D150	Dielectric Constant at 60 Hz	3.17	3.35
D150	Dissipation Factor at 60 Hz	0.0009	0.0011
D257	Volume Resistivity (ohm-cm) at 50% RH	10 <sup>16</sup>	10 <sup>16</sup>

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets.  
All values at 73°F (23°C) unless otherwise noted.

