



# Technical Data Sheet

## ARC Material

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<b>Product Name:</b>		ARC		<b>Finished Material Type:</b>		Anti-Reflective Clear		Date August 2023			
<b>Film Roll Size:</b> 700mm x											
<i>Test Condition:</i> Temperature C° 22 ± 2 Humidity 28%											
<b>Tested Items</b>			<b>Unit</b>	<b>Spec</b>	<b>Result</b>	<b>Test Method</b>					
<b>Material</b>	Top Liner		µm		65	Micrometer					
	AR - Hard Coating-Processing Layer		µm		5	Micrometer					
	Silicone Layer		µm		30	Micrometer					
	Optical Grade PET Substrate		µm		125	Micrometer					
	Release Liner		µm		50	Micrometer					
	Total Thickness		µm		245	Micrometer					
<b>Tested Items</b>			<b>Unit</b>	<b>Spec</b>	<b>Result</b>	<b>Test Method</b>					
<b>Optical Properties</b>	Total Light Transmittance		%	>93%	95.69%	GB2410-80					
	Haze		%	>1%	.53%	GB2410-80					
<b>Mechanical Properties</b>	Pencil Hardness Test		H	≥3H	≥3H	ASTM D 3363-74					
	Anti-Blue Light Resistivity		%	>20%	27.48%	380-480 nm Blu Ray acr					
	AR Reflectivity			>0.450nm	0.524nm	R550nm					
	Abrasion Test			none	pass	#0000 Steel wool test					
	Water Contact Angle			>100°	110±2°	GB/T 30693-2014					
	Adhesion Force		g/25mm	>2g	4g/inch	Silicone face steel plate peeling speed					
	Peel Force			<5g	0.003kg/inch	GB/T2792					
<b>Chemical Resistance</b>	<b>Resistant to:</b>										
	Alcohols		Esters			Household Cleaning Agents					
	Dilute acids		Hydrocarbons								
	Dilute alkalis		Ketones								

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The technical data sheets are not guaranteed values, but rather measurement values given as an example. Photodon does not guarantee the film can be used for any example applications provided.