



Technical Data Sheet

ARC Material

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Product Name:	ARC	Finished Material Type:	Anti-Reflective Clear	Date 8-23-24	
Film Roll Size: 700mm x			Country of Origin: China - Customized and Processed in the USA		
<i>Test Condition:</i> Temperature C° 22 ± 2 Humidity 28%					
Tested Items		Unit	Spec	Result	Test Method
Material	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
Tested Items		Unit	Spec	Result	Test Method
Optical Properties	Total Light Transmittance	%	>93%	95.69%	GB2410-80
	Haze	%	>1%	.53%	GB2410-80
Mechanical Properties	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
Chemical Resistance	Resistant to:				
	Alcohols	Esters	Household Cleaning Agents		
	Dilute acids	Hydrocarbons			
	Dilute alkalis	Ketones			

[RoHS Compliance Certificate](#)

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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.