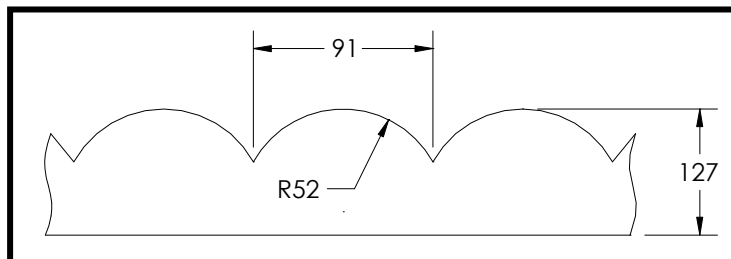




Prismatic Film

K R52/91

Sample material data sheet



Material status	Development sample
Batch No.	DT141206-01
Material type	Lenticular micro-prism film
Description	Micro-structured polymer layer cast onto PET base film.

Parameter	Value	Tol.	Unit	Remarks	
Physical properties					
Appearance	-	-	-	Transparent film	
Total thickness	127	± 5	μm		
Prism pitch	91	>1	μm	275 LPI	
Prism radius	52	± 3	μm		
Optical properties					
Transmittance	94	± 2	%	Light incident on prismatic side	
Haze	86	± 2	%		
Colour (transmission)	L*	98	± 2	-	CIE Lab colour space
	a*	-0.26	± 0.03	-	
	b*	-1.27	± 0.03	-	
Reflectance	SCI	11.9	± 2	%	% Reflectance at 550nm
	SCE	10.6	± 2	%	
Angle of View	40	± 2	$^{\circ}$	Collimated light incident on plain side	
	60	± 2	$^{\circ}$	Collimated light incident on prismatic side	
Gain	150	± 3	-		

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