



DIAMOND
COATINGS



DIAMOX HC – PET Film

INTRODUCTION

Diamond Coatings, a privately owned group of companies, is a recognised leader in the production and manufacture of vacuum coatings, which include transparent conductive coatings optical coatings and functional coatings - including our hard-coating range DIAMOX HC.

Our DIAMOX HC range are protective coatings which offer optically clear abrasion, with anti-scratch properties and chemical resistance too. The DIAMOX HC range protects the substrate from scratching and general wear, whilst protecting the cosmetic quality and appearance of the material it is deposited on to.

COATING STRUCTURE

Hard Coating
75um PET

SPECIFICATION

- (1) PET Thickness 75um
- (2) Pencil Hardness 2H
- (3) Haze <1.0%

DIAMOND COATINGS LTD.

Unit 3&4 Sterling Park, Pedmore Road,
Brierley Hill,
West Midlands, DY5 1TB
Tel: +44 (0) 121 550 9430
Email: enquiries@diamondcoatings.co.uk
Web: www.diamondcoatings.co.uk

DIAMOND COATINGS INC.

1428 N Horne St Suite 130,
Gilbert, Arizona,
85233
Tel: +1 (480) 999 3456
Email: sales@diamondcoatings.com
Web: www.diamondcoatings.com



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PROPERTIES

No	Item	Test Method	Result
Base film optical and mechanical properties:			
1	Hardness	Pencil hardness (by JIS K5600)	2H
2	Transparence	JISK-7105	91.2%
3	Haze	JISK-7105	0.8%
4.	Abrasion	#0000 steel wool, 200g./Force, 10-cycle	O
5	Heating	60°C *90%RH*240hrs.	O
6	Heat Cycle	240 hour by -20°C ~ 80°C	O

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