

# SH GRADE

Hard embossable hot stamping hologram base film



## Product Overview

### General properties

This grade is specially developed for hard embossable purpose and high security hologram applications. It's high temperature resistance and gloss make it ideal for high security hot stamping applications.

### Main applications

ID cards, bank documents, All types of coated and uncoated paper, PVC, Polycarbonate, PET and other strip transfer applications.

### Key Features

Its easy releasing property make it suitable for strip and spot hot stamping on various substrates.

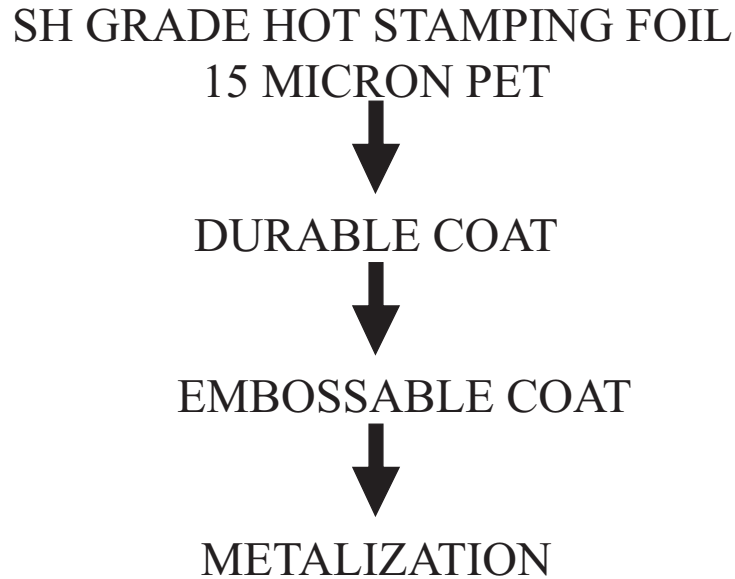
### Technical information

|                       |   |
|-----------------------|---|
| Shades availability   | - This grade is currently manufactured in a limited range of gold and silver shades   |
| Embossing temperature | - Metal role - 85 to 100 Degree Celsius<br>Rubber role - 100 to 120 Degree Celsius  |
| Resistance property   | - High temperature resistance, Alcohol resistance, Excellent Moisture resistance, Excellent UV resistance   |
| Characteristics       | - High performance foil, High gloss High over printability ( High curing system), Excellent mirror effect, No oxidation otherwise no black spots after labeling                                 |
| Storage conditions    | - Temperature 10 to 30 degree Celsius<br>Humidity – 30 to 70% relative humidity   |
| Toxicity              | - SH grade is classed on Non-toxic meeting stringent legislation of numerous national and international industry standards including<br>ICP Ms Method<br>EN 1122 by ICP Ms<br>ASTM – D 3421: 75 |

[www.rasikfoils.com](http://www.rasikfoils.com)

141Kms, Delhi-Agra bypass road, Near alwar railway bridge, Krishna nagar, Mathura (U.P), India 281004  
Phone +91-565-2423365 Mobile +91-9927022764

## STRUCTURE OF THE FOIL



## PROPERTIES

1. Thermoplastic coating
2. Ultra clear PET film
3. Embossing temperature - 95 to 110 degree Celsius
4. Metal - Aluminum 99.6% pure
5. OD - 2.1

## TEST VALUES OF 36 MICRON PET

| <u>Char/test method</u>       | <u>Unit</u>        | <u>Measured value</u> |
|-------------------------------|--------------------|-----------------------|
| Avg.Thickness/Internal method | mic                | 15.06                 |
| Haze/ASTM-D 1003              | %                  | 4.05                  |
| Shrinkage-MD/ASTM-D1204       | %                  | 2.00                  |
| Shrinkage-TD/ASTM-D1204       | %                  | 0                     |
| Tensile St-MD/ASTM-D882       | Kg/cm <sup>2</sup> | 23.10                 |
| Tensile St-TD/ASTM-D882       | Kg/cm <sup>2</sup> | 23.80                 |
| Elongation-MD/ASTM-D882       | %                  | 122                   |
| Elongation-TD/ASTM-D882       | %                  | 102                   |
| Melting point                 | Degree<br>Celsius  | 250                   |

[www.rasikfoils.com](http://www.rasikfoils.com)

141Kms,Delhi-Agra bypass road,Near alwar railway bridge,Krishna nagar,Mathura (U.P),India 281004  
Phone +91-565-2423365 Mobile +91-9927022764