

# V-Gard® Moulded Visors for Heavy Duty Purpose

## Face Protection - Technical Data Sheet



All V-Gard visors easily fit to V-Gard Headgear brow guard and on V-Gard frames for all V-Gard helmets.

V-Gard PC moulded visors are developed for heavy duty use. They keep workers safe and comfortable in environments such as steel/smeltering plants where they are exposed to high levels of heat and/or excessive glare.

V-Gard PC moulded visors offer superior protection from flying debris, splash, UV radiation, molten metal splashes and electric arc. Being moulded makes them optically correct, and helps ensure very good view and reduced eye fatigue. Their chemical and heat resistance is better as they are thicker and not as stressed as flat visors. The impact resistance at extreme temperatures is certified by EN 166 "BT". Electric arc protection is proofed by EN166 "8" and GSET29 class 1- 4kA testing. The premium Antifog/Antiscratch coating, certified EN166 "KN", ensures a higher comfort, improved safety and increased lifetime.

V-Gard PC moulded visors can be worn in combination with helmet mounted ear muffs. The green tinted version helps alleviate eye strain and fatigue by reducing excessive glare, especially in outdoor working conditions.

For different visor versions, frames and chin protectors please see the separate datasheets.



| P/N      | Key Specifications |                |                |       |               |                   |                       |              | Masterpack:<br>Selling Unit Qty |
|----------|--------------------|----------------|----------------|-------|---------------|-------------------|-----------------------|--------------|---------------------------------|
|          | LxW (mm)           | Thickness (mm) | Weight (grams) | Tint  | Coatings      | EN 166 Approval   | GS-ET 29 Electric arc | EAN Code 13  |                                 |
| 10115844 | 240x430            | 2.5            | 210            | Clear | Premium AF/AS | 2C-1,2 1BT 389 KN | class 1, 4kA          | 641817025918 | 5                               |
| 10115853 | 270x430            | 2.5            | 230            | Clear | Premium AF/AS | 2C-1,2 1BT 389 KN | class 1, 4kA          | 641817026014 | 5                               |
| 10115845 | 240x430            | 2.5            | 210            | Green | Premium AF/AS | 2-2 1BT 39 KN     |                       | 641817025918 | 5                               |

More visor versions are EN certified but only available for large orders and longer lead time. Please contact MSA.

|                                                                            |                                                                                                                                                                                                                                                              |                                                                                          |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Material</b>                                                            | All Visors listed above are made of Polycarbonate                                                                                                                                                                                                            |                                                                                          |
| <b>UV Filter according EN166</b>                                           | 2-1,2                                                                                                                                                                                                                                                        | EN 170 UV filter= UV transmittance max 10% (313-365nm); Light transmission > 74.4%       |
|                                                                            | C                                                                                                                                                                                                                                                            | Enhanced colour recognition                                                              |
|                                                                            | 2-2                                                                                                                                                                                                                                                          | EN 170 UV filter= UV transmittance max 5% (313-365nm); Light transmission 29.1 and 43.2% |
|                                                                            |                                                                                                                                                                                                                                                              |                                                                                          |
| <b>EN166:2001 Marking details</b>                                          | 1                                                                                                                                                                                                                                                            | Optical class 1 for permanent usage                                                      |
|                                                                            | B                                                                                                                                                                                                                                                            | Medium energy impact protection (B = 120 m/s)                                            |
|                                                                            | T                                                                                                                                                                                                                                                            | Impact resistance at extreme of temperatures (-5/+55°C)                                  |
|                                                                            | 3                                                                                                                                                                                                                                                            | Protection against droplets and splashes of liquids                                      |
|                                                                            | 8                                                                                                                                                                                                                                                            | Resistance to short circuit electric arc                                                 |
|                                                                            | 9                                                                                                                                                                                                                                                            | Non adherence of molten metals and resistance to penetration of hot solids               |
|                                                                            | KN                                                                                                                                                                                                                                                           | Resistance to Scratches (K) and to Fogging of oculars (N)                                |
| MSA V-Gard visors are also approved to ANSI Z87-1, CSA Z94-3, AS/NZS 1337. |                                                                                                                                                                                                                                                              |                                                                                          |
| <b>Chemical resistance</b>                                                 | Please see MSA's Chemical Application Quick Reference Guide.                                                                                                                                                                                                 |                                                                                          |
| <b>Packaging</b>                                                           | Specified part numbers correspond to one visor, which is individually packed in polybag with instruction and individual label with barcode EAN code 13. MSA sells in Masterpacks (WxLxH = 250x435x45 mm) of 5 visors. Masterpack label includes GS1-128 code |                                                                                          |



10115844 –  
Moulded Visor, 240mm x 430mm



10115853 –  
Moulded Visor, 270mm x 430mm



10115845 –  
Moulded Visor, 240mm x 430mm