

# PureFlo ESM+

Visor Assembly - PR01050SP

Fixed Visor Assembly - PR01050SP



## Data Sheet

The ESM+ Visor is designed for use in a range of working environments including engineering, pharmaceutical, agricultural, manufacturing and construction, providing protection against dust and liquid droplets.



### LEXAN™ CTGXT VISOR

The ESM+ visor is constructed from two-sided hard coated Polycarbonate sheet offering high heat resistance, excellent dimensional stability and impact performance combined with superior optical properties.

<b>APPROVAL</b>	EN 166 2002 1B39
-----------------	------------------

<b>PROPERTY</b>	<b>TEST METHOD</b>
-----------------	--------------------

#### PHYSICAL

Density	ISO 1183
Water absorption, 50% RH, 23°C	ISO 62
Water absorption, saturation, 23°C	ISO 62

#### MECHANICAL

Yield stress 50 mm/min	ISO 527
Yield strain 50 mm/min	ISO 527
Nominal strain at break 50 mm/min	ISO 527
Tensile modulus 1 mm/min	ISO 527
Flexural strength 2 mm/min	ISO 178
Flexural modulus 2 mm/min	ISO 178
Taber haze – 100 cycles, 500-gram, CS-10F	ASTM D1044

#### THERMAL

Vicat softening temperature, rate B/120	ISO 306
Temperature of deflection under load (type A), 1.8 MPa, flat	ISO 75-2
Thermal conductivity	ISO 8302
Coefficient of linear thermal expansion, 23-55°C	ISO 11359-2
Ball pressure test 125 ±2°C	IEC 60695-10-2

**GENTEX**  
CORPORATION

Gentex Europe, Commerce Road, Stranraer, Scotland, DG9 7DX Tel: +44 (0) 1776 704421  
Fax: +44 (0) 1776 706342 Web: [pureflo.gentexcorp.com](http://pureflo.gentexcorp.com) Follow Us on LinkedIn: [pureflo-respiratory-protection](https://www.linkedin.com/company/pureflo-respiratory-protection)



# PureFlo ESM+

Visor Assembly - PR01050SP

Fixed Visor Assembly - PR01050SP



<b>ELECTRICAL</b>	
Volume resistivity	IEC 60093
Dielectric strength, in oil, 3.2 mm	IEC 60243-1
<b>OPTICAL</b>	
Light transmission 0.75 mm	ASTM D1003
Light transmission 1 mm	ASTM D1003
Light transmission 2 mm	ASTM D1003

## 686 EPT BLACK FOAM SEAL

The EPT foam material offers superior durability and weather resistance, it also has excellent chemical resistance to acids and alkali's. EPT foam is also ozone resistant, fungus free and has an excellent ageing performance ensuring it provides high performance sealing.

PROPERTY	AVERAGE VALUE
Density (Kg/m <sup>3</sup> )	130
Temperature Range °C	140 - 135
Elongation (Machine Direction)	600%
Tensile Strength (Machine Direction)	125 kPa
Adhesion on 2B Steel at 90°	min. 400 Cn/20 mm
Weather Ability	No Cracks
Ozone Resistance	No Cracks
Flammability	<100 mm/min. - Pass at thickness ≥5mm

**GENTEX**  
CORPORATION

**Gentex Europe**, Commerce Road, Stranraer, Scotland, DG9 7DX **Tel:** +44 (0) 1776 704421  
**Fax:** +44 (0) 1776 706342 **Web:** pureflo.gentexcorp.com **Follow Us on LinkedIn:** pureflo-respiratory-protection

