

# PRODUCT DATA SHEET

Development Grade: **CERPOL<sup>®</sup> EP102 PE-N**  
Material Type: **Ceramifying EPDM Compound**

## Description:

Cerpol<sup>®</sup> EP102PE-N is a development grade of ceramifying EPDM compound, for use in profile extrusion. The compound is flexible and suitable for glazing seal profiles. It contains a high level of an inorganic ceramifying system. In a fire situation, EP102 PE-N is designed to expand slightly to fill gaps and maintain a coherent ceramic structure, producing an effective fire barrier. It also provides a high level of flame retardancy and is halogen-free.

Actual behaviour in a fire situation will depend on many factors. Users should conduct their own testing to verify performance in particular applications.

Extruded profiles can be worked with conventional tools. Safety requirements are detailed in Material Safety Data Sheet EP102 PE.

## Physical Properties<sup>1)</sup>:

Property	Test Method	Value	Units
Physical Form		Granules	
Bulk Density		Approx. 0.7	g/cm <sup>3</sup>
Colour		Natural (off-white)	
Density	ISO1183-1	1.56	g/cm <sup>3</sup>
Flammability	UL942)	V0	

1) Test results are typical values, based on limited trial production. They are not to be construed as a specification

2) Test results have not been certified by UL

## Drying:

EP102PE-N is packaged in moisture proof bags, however, if there is a concern that the product has been exposed to moisture it must be thoroughly dried before processing to avoid porosity. 3 hours minimum at 55°C in a desiccant dryer is recommended. Clumping will occur at excessive drying temperatures.

## Do not Blend:

Masterbatches, process aids and other additives should not be mixed with this material. Nor should the material be let down with any other polymer. Fire performance may be influenced by small additions of organic or inorganic materials.

## Colouring:

Colouring is possible within the normal limits for materials with high filler levels, by using pre-coloured compounds. Please discuss your requirements with Ceram Polymerik.

## Processing:

EP102PE-N is intended for extrusion processing. Normal processing temperatures are in the range 170 – 2000°C. Do not shear excessively and ensure temperatures remain below 2500C to avoid degradation.

## DISCLAIMER

*This material is a development grade material, and to the maximum extent permitted at law, is provided free of any representations or warranties, and the material is to be used by the recipient entirely at its own risk.*