



## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,

Samutprakarn 10280 Thailand.

Tel (66) (02) 2323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

### Technical Data Sheet

#### Minerene CAE 3

Property	Value	Test Methods
Carrier Resin	LLDPE	
Calcium Carbonate (%)	80 ± 2	ASTM D 5630-01
Compatibility	HDPE, LLDPE, LDPE & PP	
Density at 23°C (kg/m <sup>3</sup> )	1.97 ± 0.20	ASTM D 1505
MFI (2.16 kg/190°C) (gm./10 min.)	2.25 ± 2	ASTM D 1238-04

**Applications** : Minerene CAE3 is a 80% content micro particle coated calcium carbonate masterbatch designs for blown film and woven bag applications. It exhibits good dilutability together with optimum calcium carbonate dispersion characteristics .

**Method of Addition** : Minerene CAE3 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition Rate** : The amount of masterbatch added depends on the performance requirements of the final application.

**Regulatory Status** : FDA 21CFR , AP (89) I , 94/62/EC , EN 71.Part 3 and 2002/95/EC (RoHS).

**Packaging** : Minerene CAE3 is supplied in regular pellet form packed in 25 kg. bag and 1,000 kg. bulk bag. It should be stored in a dry place.

Recommended storage life up to 1 year provided it is stored as directed.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only. For more information please contact our representative.



## **PolyMerit Asia Co.,Ltd.**

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

# **Specification**

## **Minerene CAE 3**

<b>Items</b>	<b>Specifications</b>	<b>Methods</b>
Bulk Density (kg/m <sup>3</sup> )	1.15 ± 0.12	ASTM D 1895
Calcium Carbonate Content (%)	80 ± 2	ASTM D 5630-01
Color Deviation (DE)	< 1.5	CIE Lab D65
Density at 23°C (kg/m <sup>3</sup> )	1.97 ± 0.20	ASTM D 1505
MFI (2.160 kg/190 °C) (gm./10 min.)	2.25 ± 2	ASTM D 1238-04
Moisture Content (%)	< 0.20	LA – W - 007
Pellet Per Gram	33 - 43	Salee Method

THE ABOVE INFORMATION GIVEN BASED ON OUR PRESENT STATE OF KNOWLEDGE, AS THERE ARE NUMEROUS VARIATIONS IN INDUSTRIAL PRACTICE , THE INFORMATION AS GIVEN IS WITHOUT OBLIGATION AND LIABILITY OF WHATSOEVER ON OUR PART.



## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 2323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

### Technical Data Sheet

#### MinereneCAE 152

Property	Value	Test Methods
Carrier Resin	LLDPE	
Calcium Carbonate (%)	85 ± 2	ASTM D 5630-01
Compatibility	HDPE, LLDPE, LDPE & PP	
Bulk Density (kg./m <sup>3</sup> )	1.21 ± 0.12	ASTM D 1895
Density kg/m <sup>3</sup> (at 23°C)	1.97 ± 0.20	ASTM D 1505

**Applications:** MinereneCAE 152 is a 85% content micro particle coated calcium carbonate masterbatch designs for blown film and general purpose applications. It exhibits good dilute ability together with optimum calcium carbonate dispersion characteristics.

**Method of Addition:** MinereneCAE 152 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition Rate:** The amount of masterbatch added depends on the performance requirements of the final application.

**Regulatory Status:** FDA 21CFR, AP (89) I, 94/62/EC, EN 71.Part 3 and 2002/95/EC (RoHS).

**Packaging:** MinereneCAE 152 is supplied in regular pellet form packed in 25 kg. bag and 1,000 kg. bulk bag. It should be stored in a dry place.

Recommended storage life up to 1 year provided it is stored as directed.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only. For more information please contact our representative.



## **PolyMerit Asia Co.,Ltd.**

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, MuangSamutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02)323-2601-08 FAX: (66) (02)323-2227-8

<http://www.polymeritasia.com>

# **Specification**

## **MinereneCAE 152**

<b>Items</b>	<b>Specifications</b>	<b>Methods</b>
Bulk Density (kg./m <sup>3</sup> )	1.21 ± 0.12	ASTM D 1895
Calcium Carbonate (% Content )	85 ± 2	ASTM D 5630 - 01
Color Deviation (DE)	< 1.5	CIE Lab D 65
Density kg./m <sup>3</sup> (at 23°C)	2.01 ± 0.20	ASTM D 1505
Moisture Content (%)	< 0.20	LA - W - 007
Pellet Per Gram	31 - 41	LA - W- 042

THE ABOVE INFORMATION GIVEN BASED ON OUR PRESENT STATE OF KNOWLEDGE, AS THERE ARE NUMEROUS VARIATIONS IN INDUSTRIAL PRACTICE , THE INFORMATION AS GIVEN IS WITHOUT OBLIGATION AND LIABILITY OF WHATSOEVER ON OUR PART.



## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,

Samutprakarn 10280 Thailand.

Tel (66) (02) 2323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

### Technical Data Sheet

#### Minerene CAE 153

Property	Value	Test Methods
Carrier Resin	LLDPE	
Calcium Carbonate (%)	72 ± 2	ASTM D 5630-01
Compatibility	HDPE, LLDPE, LDPE & PP	
Density at 23°C (kg/m <sup>3</sup> )	1.65 ± 0.17	ASTM D 1505
MFI (2.16 kg/190°C) (gm./10 min.)	5.17 ± 2	ASTM D 1238-04

**Applications** : Minerene CAE 153 is a 72% content micro particle coated calcium carbonate masterbatch designs for extrusion sheet , blown film and woven bag applications. It exhibits good dilutability together with optimum calcium carbonate dispersion characteristics .

**Method of Addition** : Minerene CAE 153 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition Rate** : The amount of masterbatch added depends on the performance requirements of the final application.

**Regulatory Status** : FDA 21CFR , AP (89) I , 94/62/EC , EN 71.Part 3 and 2002/95/EC (RoHS).

**Packaging** : Minerene CAE 153 is supplied in regular pellet form packed in 25 kg. bag and 1,000 kg. bulk bag. It should be stored in a dry place.

Recommended storage life up to 1 year provided it is stored as directed.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only. For more information please contact our representative.



## **PolyMerit Asia Co.,Ltd.**

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

# **Specification**

## **Minerene CAE 153**

<b>Items</b>	<b>Specifications</b>	<b>Methods</b>
Bulk Density (kg/m <sup>3</sup> )	1.16 ± 0.12	ASTM D 1895
Calcium Carbonate Content (%)	72 ± 2	ASTM D 5630-01
Color Deviation (DE)	< 1.5	CIE Lab D65
Density at 23°C (kg/m <sup>3</sup> )	1.65 ± 0.17	ASTM D 1505
MFI (2.16 kg/190 °C) (gm./10 min.)	5.17 ± 2	ASTM D 1238-04
Moisture Content (%)	< 0.20	LA - W - 007
Pellet Per Gram	33 - 43	Salee Method

THE ABOVE INFORMATION GIVEN BASED ON OUR PRESENT STATE OF KNOWLEDGE, AS THERE ARE NUMEROUS VARIATIONS IN INDUSTRIAL PRACTICE , THE INFORMATION AS GIVEN IS WITHOUT OBLIGATION AND LIABILITY OF WHATSOEVER ON OUR PART.



## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 2323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

### Technical Data Sheet

#### Minerene CAP 7

Property	Value	Test Methods
Carrier Resin	PP	
Calcium Carbonate (%)	75 ± 2	ASTM D 5630-01
Compatibility	Polypropyrene	
Density at 23°C (kg/m <sup>3</sup> )	1.63 ± 0.16	ASTM D 1505
MFI (2.16 kg/230°C) (gm./10 min.)	1.11 ± 1	ASTM D 1238-04

**Applications** : Minerene CAP 7 is a 75% content of micro particle coated calcium carbonate masterbatch designs for sheet extrusion and thermoforming. It exhibits good dilutability together with optimum calcium carbonate dispersion characteristics .

**Method of Addition** : Minerene CAP 7 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition Rate** : The amount of masterbatch added depends on the performance requirements of the final application.

**Regulatory Status** : FDA 21CFR , AP (89) I , 94/62/EC , EN 71.Part 3 and 2002/95/EC (RoHS).

**Packaging** : Minerene CAP 7 is supplied in regular pellet form packed in 25 kg. bag and 1,000 kg. bulk bag. It should be stored in a dry place.

Recommended storage life up to 1 year provided it is stored as directed.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only. For more information please contact our representative.



## **PolyMerit Asia Co.,Ltd.**

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

# **Specification**

## **Minerene CAP 7**

<b>Items</b>	<b>Specifications</b>	<b>Methods</b>
Bulk Density (kg/m <sup>3</sup> )	1.04 ± 0.10	ASTM D 1895
Calcium Carbonate Content (%)	75 ± 2	ASTM D 5630-01
Color Deviation (DE)	< 1.0	CIE Lab D65
Density at 23°C (kg/m <sup>3</sup> )	1.63 ± 0.16	ASTM D 1505
MFI (2.160 kg/230 °C) (gm./10 min.)	1.11 ± 1	ASTM D 1238-04
Moisture Content (%)	< 0.10	LA – W - 007
Pellet Per Gram	25 - 35	Salee Method

THE ABOVE INFORMATION GIVEN BASED ON OUR PRESENT STATE OF KNOWLEDGE, AS THERE ARE NUMEROUS VARIATIONS IN INDUSTRIAL PRACTICE , THE INFORMATION AS GIVEN IS WITHOUT OBLIGATION AND LIABILITY OF WHATSOEVER ON OUR PART.





## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,

Samutprakarn 10280 Thailand.

Tel (66) (02) 2323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

### Technical Data Sheet

#### Minerene CAS 13

Property	Value	Test Methods
Carrier Resin	GPPS	
Calcium Carbonate (%)	75 ± 2	ASTM D 5630-01
Compatibility	HIPS,GPPS	
Density at 23°C (kg/m <sup>3</sup> )	1.63 ± 0.16	ASTM D 1505
MFI (5.00 kg/200°C) (gm./10 min.)	11 ± 4	ASTM D 1238-04

**Applications** : Minerene CAS 13 is a 75% content of micro particle coated calcium carbonate masterbatch designs for sheet extrusion and thermoforming. It exhibits good dilutability together with optimum calcium carbonate dispersion characteristics .

**Method of Addition** : Minerene CAS 13 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

**Addition Rate** : The amount of masterbatch added depends on the performance requirements of the final application.

**Regulatory Status** : FDA 21CFR , AP (89) I , 94/62/EC , EN 71.Part 3 and 2002/95/EC (RoHS).

**Packaging** : Minerene CAS 13 is supplied in regular pellet form packed in 25 kg. bag and 1,000 kg. bulk bag. It should be stored in a dry place.

Recommended storage life up to 1 year provided it is stored as directed.

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only. For more information please contact our representative.



## PolyMerit Asia Co.,Ltd.

858 Moo 2, Soi 1C/1 Bangpu Industrial Estate, Bangpumai, Muang Samutprakarn,  
Samutprakarn 10280 Thailand.

Tel (66) (02) 323-2601-08 FAX: (66) (02) 323-2227-8

<http://www.polymeritasia.com>

# Specification

## Minerene CAS 13

Items	Specifications	Methods
Bulk Density (kg/m <sup>3</sup> )	1.09 ± 0.11	ASTM D 1895
Calcium Carbonate Content (%)	75 ± 2	ASTM D 5630-01
Color Deviation (DE)	< 1.5	CIE Lab D65
Density at 23°C (kg/m <sup>3</sup> )	1.80 ± 0.18	ASTM D 1505
MFI (5.00 kg/200 °C) (gm./10 min.)	11 ± 4	ASTM D 1238-04
Moisture Content (%)	< 0.20	LA – W - 007
Pellet Per Gram	31 - 41	Salee Method

THE ABOVE INFORMATION GIVEN BASED ON OUR PRESENT STATE OF KNOWLEDGE, AS THERE ARE NUMEROUS VARIATIONS IN INDUSTRIAL PRACTICE , THE INFORMATION AS GIVEN IS WITHOUT OBLIGATION AND LIABILITY OF WHATSOEVER ON OUR PART.