

PRODUCT DATA SHEET

TER CELL HEMC BCF

HYDROXYETHYLMETHYLCELLULOSE (HEMC)

Product Description

Hydroxyethylmethylcellulose is a white or off-white powder. The hygroscopic product is tasteless and odorless and it is available as fine powder (PF), optional with or without surface treatment.

Typical properties

Chemical Name	Hydroxyethylmethylcellulose (HEMC)
Degree of Substitution (OCH ₃)	1.3 – 2.0
Methoxy Content (% OCH ₃)	21 – 31
Average Molecular Substitution (EOOH)	0.1 - 0.4
Hydroxyethyl Content (% EOOH)	4 – 12
Moisture (wt %)	max. 5
Ash (wt %) (as sulphate)	max.1
pH- value	5.5 – 8.0
Appearance	white or off- white powder
Particle size (100% through)	PF (0,150 mm)

Viscosity specifications, Brookfield RVT at 20°C, m Pa s

Viscosity type ^{*1)}	Viscosity range [mPa s]	Concentration in water [%]	Spindle Nr.	Rotation speed [min ⁻¹]	Available types (✓)		
					Surface treatment ^{*2)}		Particle size ^{*3)}
					with „S“	without	
6M	5.400 – 6.600	2	4	20	✓	✓	✓
15M	13.500 – 16.500	2	5	20	✓	✓	✓
30M	27.000 – 33.000	2	6	20	✓	✓	✓
40M	36.000 – 44.000	2	6	20	✓	✓	✓
50M	45.000 – 55.000	2	6	20	✓	✓	✓
60M	55.000 – 65.000	2	6	12	✓	✓	✓
70M	> 65.000	2	6	12	✓	✓	✓

*1) – other viscosity types are available on special request

*2) – „S“ surface-treated types

*3) – types with particle size 0,124 mm are available on special request (marked as PP)

Description:

TER CELL HEMC BCF 6M S PF viscosity: ~ 6.000 mPa s, with surface treatment, fine powder

TER CELL HEMC BCF 50M PF viscosity: ~ 50.000 mPa s, without surface treatment, fine powder

Use

Used mainly in construction industry (production of dry building mixtures), but can be used also in production of paints, detergents and cosmetics, medicine, foods, agriculture, chemicals, textile, tobacco etc.

Packaging and storage

25 kg polyethylene lined paper bags/plastic bags

It's recommended to use the product in rotation on a first- in first- out basis.

Storage under dry and clean condition in its original packaging and away from heat.

Health and safety

Please see separate Material Safety Data Sheet

CAS Name: HEMC

CAS Nr.: 9032-42-2