



## MVP-4

(Earlier called VSM-4)

### Technical Data Sheet

The following grade is made with all the additives needed for blown film manufacturing with sufficient ease. Biodegradable color masterbatches provided by TGP Bioplastics can be added to achieve the desired color.

#### Typical Characteristics:

Property	Test Method	Unit	Typical Value
Melt Flow Index(@170°C/2.16Kg)	ASTM D1238	g/10 min	3.08
Specific Gravity(23°C)	ASTM D 792-20	g/cc	1.28
Ash Content	ASTM D5630-13	%	0
Hardness (IN Sheet)	ASTM D2240	Shore(A/D)	84-85 A /32-33D
100% Modules (MD)	ASTM E111	kg/cm <sup>2</sup>	1221
Moisture Content	ASTM D6980-17	%	1.070 (PPM -10700)
Color	Visual / dE	-	Ivory

#### Film Properties

Tensile strength at break (MD)	ASTM D882	MPa	8.8
Elongation at Break (MD)	ASTM D882	%	308.5
Shrinkage	ASTM D955	%	1.59
Oxygen Transmission Rate	ISO:15105 ( Part 1 )	cm <sup>3</sup> /m <sup>2</sup> 24hrs at 0.1 Mpa	1871.58
Water vapor transmission rate ( WVTR )	ASTM E 96	g/m <sup>2</sup> 24 Hrs.	291.46

\*Typical values are not to be taken as specifications.

\*Typical values such as film properties are with 52 µ film made with 1 mm die gap & 2.0 BUR.

#### Applications:

The films can be used for general purpose packaging such as carrybags, garbage bags, etc.

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