



# MC-01TC-21

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## PE Compound

### Product Description

MC-01TC-21 is a high density polyethylene compound. Due to its mechanical and rheological properties, it shows easy processing with UV and Thermal properties. This product is in pellet form with black color.

**Applications:** Steel pipe topcoat, PE coating

### Product Characteristics

**Features** Good dispersion, Good processability, Good mechanical properties, Good UV and Thermal properties

### Typical Properties

#### Physical

Method	Unit	Value	
MFI (190°C, 2.16kg)	ISO 1133	gr/10min	0.5 ± 0.1
Density (Granule)	ISO 1183	gr/cm <sup>3</sup>	0.946 ± 0.001
Density (MFR)	ISO 1183	gr/cm <sup>3</sup>	0.955 ± 0.001
Density of the base resin	ISO 1183	gr/cm <sup>3</sup>	≥0.93
Carbon black content	ISO 3451	%	2.25 ± 0.25

#### Mechanical

Tensile strength @ yield (50 mm/min)	ISO 527	N/mm <sup>2</sup>	17 ± 1
Elongation @ yield (50 mm/min)	ISO 527	%	800 ± 100
Izod impact strength (notched @23 °C)	ISO 180	KJ/ m <sup>2</sup>	NB.
Hardness shore D	ISO 868	Points	≥55

#### Thermal

Melting point	ISO 3146	C°	≥132
O.I.T. @ 210 C°	ISO 11357	Minute	≥70

**Note:** typical properties; not to be construed as specifications.

Marun Pooya Polymer Compound Co., NO.2,17<sup>th</sup> St, Hasan Seif Ave., Sanat Sq., Shahrak e Gharb, Tehran  
1466883855, Iran

Email: [crm@mppc-co.com](mailto:crm@mppc-co.com) Tel: [+982186759092](tel:+982186759092) Fax: +982186759091

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