



MC-01TC-11

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PE Compound

Product Description

MC-01TC-11 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 ³	0.946 ± 0.001
Density (MFR)	ISO 1183	gr/cm ³	0.955 ± 0.001
Density of the base resin	ISO 1183	gr/cm ³	≥0.93
Carbon black content	ISO 3451	%	2.25 ± 0.25

Mechanical

Tensile strength @ yield (50 mm/min)	ISO 527	N/mm ²	> 15
Elongation @ yield (50 mm/min)	ISO 527	%	>600
Izod impact strength (notched @23 °C)	ISO 180	KJ/ m ²	NB.
Hardness shore D	ISO 868	Points	≥55

Thermal

Melting point	ISO 3146	C°	≥125
O.I.T. @ 210 C°	ISO 11357	Minute	≥30

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

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