

POWDER POLYETHYLENE UM2700

POWDER POLYETHYLENE

Properties Powder Properties Adhesion strength Features Applications

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	10	ASTM D1238
Tensile strength	MPa	9	ASTM D638
Tensile elongation	%	600	ASTM D638
Hardness	(HDD)	42	ASTM D2240
Vicat softening point	°C	87	ASTM D1525
Brittle temperature	°C	<-70	ASTM D746
Melting point	°C	106	UBE method

Powder Properties

Item	Unit	Nominal value	Test method
Bulk density	g/cm ³	0.35<	UBE method
Particle size	mesh pass	40	UBE method

Adhesion strength

Temp. of base plate	Test condition	Unit	Nominal value
275°C	peeling angle : 90° rate : 50mm/min	N/cm	38
300°C			45
325°C			33

* These values are typical properties and not to be considered as specifications.

Features

- Color : Cream
- Foamed, Adhesion

Applications

- Fluidized bed coating
- Steel rod

