

POWDER POLYETHYLENE UM1885

POWDER POLYETHYLENE

Properties Powder Properties Adhesion strength Features Applications

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	9	ASTM D1238
Density	kg/m ³	929	ASTM D1505
Tensile strength	MPa	14	ASTM D638
Tensile elongation	%	840	ASTM D638
Hardness	(HDD)	51	ASTM D2240
Vicat softening point	°C	86	ASTM D1525
Brittle temperature	°C	<-70	ASTM D746
Melting point	°C	120	UBE method

Powder Properties

Item	Unit	Nominal value	Test method
Bulk density	g/cm ³	0.33<	UBE method
Particle size	pass	40	UBE method

Adhesion strength

Temp. of base plate	Test condition	Unit	Nominal value
250°C	peeling angle : 90° rate : 50mm/min	N/cm	28
275°C			33
300°C			34

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

Features

- Color : Black
- Weatherability, Adhesion



Applications

Fluidized bed coating

