

POWDER POLYETHYLENE UM3824

POWDER POLYETHYLENE

Properties Powder Properties Adhesion strength Features Applications

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	15	ASTM D1238
Density	kg/m ³	925	ASTM D1505
Tensile strength	MPa	21	ASTM D638
Tensile elongation	%	800	ASTM D638
Hardness	(HDD)	51	ASTM D2240
Vicat softening point	°C	84	ASTM D1525
Brittle temperature	°C	<-70	ASTM D746
Melting point	°C	121	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
225°C	peeling angle : 90° rate : 50mm/min	N/cm	40
250°C			65
275°C			65
300°C			72

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

Features

- Color : Green

Antimicrobial, Adhesion

Applications

