

# POWDER POLYETHYLENE UM1420

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Properties Powder Properties Adhesion strength Features Applications

## Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	16	ASTM D1238
Density	kg/m <sup>3</sup>	921	ASTM D1505
Tensile strength	MPa	22	ASTM D638
Tensile elongation	%	820	ASTM D638
Hardness	(HDD)	50	ASTM D2240
Vicat softening point	°C	86	ASTM D1525
Brittle temperature	°C	<-70	ASTM D746
Melting point	°C	118	UBE method

## Powder Properties

Item	Unit	Nominal value	Test method
Bulk density	g/cm <sup>3</sup>	0.35<	UBE method
Particle size	pass	50	UBE method

## Adhesion strength

Temp. of base plate	Test condition	Unit	Nominal value
225°C	peeling angle : 90° rate : 50mm/min	N/cm	59
250°C			69
275°C			74
300°C			80

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

## Features

- Color : Black

Weatherability, Adhesion

Applications

