

POWDER POLYETHYLENE UM4470

POWDER POLYETHYLENE

Properties Powder Properties Adhesion strength Features Applications

Properties

Item	Unit	Nominal value	Test method
MFR	g/10min	10	ASTM D1238
Density	kg/m ³	936	ASTM D1505
Tensile strength	MPa	19	ASTM D638
Tensile elongation	%	770	ASTM D638
Hardness	(HDD)	56	ASTM D2240
Vicat softening point	°C	92	ASTM D1525
Brittle temperature	°C	<-70	ASTM D746
Melting point	°C	125	UBE method

Powder Properties

Item	Unit	Nominal value	Test method
Bulk density	g/cm ³	0.35<	UBE method
Particle size	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	32
250°C			40
275°C			72
300°C			76

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

Features

- Color : Shine gray

Weatherability, Adhesion

Applications

