

Technical Data Sheet

Microthene MU76300

Ethylene Vinyl Acetate

Product Description

Microthene G polyolefin powders are ground, irregularly-shaped particles for use in a broad range of specialty applications. *Microthene G* powders combine the unique properties of a polyolefin resin with a small ground particle size.

Application	Automotive Parts; Colour Concentrates; Industrial; Interior Automotive Applications; Structural Parts
Market	Consumer Products; Flexible Packaging; Healthcare; Industrial, Building & Construction
Processing Method	Powders

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Equivalent Melt Index	10	g/10 min	10	g/10 min	ASTM D1238
Density, (23 °C)	0.927	g/cm ³	0.927	g/cm ³	ASTM D1505
Vinyl Acetate Content	9	%	9	%	LYB Method
Mechanical					
Flexural Modulus	20800	psi	144	MPa	ASTM D790
Tensile Strength at Break	1740	psi	12.0	MPa	ASTM D638
Tensile Elongation at Break	760	%	760	%	ASTM D638
Hardness					
Shore Hardness					
(Shore D, max)	47		47		ASTM D2240
(Shore D, 15 sec)	42		42		ASTM D2240
Thermal					
Vicat Softening Point	161.6	°F	72.0	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
Peak Melting Point	203.2	°F	95.1	°C	ASTM D3418
Additional Information					
Particle Shape	Irregular		Irregular		LYB Method
Average Particle Size	35	mesh	35	mesh	LYB Method