

Technical Data Sheet

Microthene GR54200



Ethylene Vinyl Acetate

Product Description

GR54200 polyolefin powders are ground, irregularly-shape particles for use in a broad range of specialty applications. GR54200 powders combine the unique properties of a polyolefin resin with a small ground particle size.

Regulatory Status

For regulatory compliance information, see *Microthene* GR54200 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Attribute	Copolymer
Forms	Powder

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density	0.926	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Break	11.7	MPa	ASTM D638
Flexural Modulus	93.1	MPa	ASTM D790
Tensile Elongation at Break	680	%	ASTM D638
Impact			
Ductile/Brittle Transition Temperature	-76	°C	ASTM D746
Hardness			
Durometer Hardness, (Shore D)	38		ASTM D2240
Thermal			
Vicat Softening Temperature	75	°C	ASTM D1525
Peak Melting Temperature	96	°C	ASTM D3418
Additional Information			
Particle Shape	Irregular		
Average Particle Size			
Maximum Moisture Content	0.1	%	ETM 156

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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