

GUR[®] 4018 P

HMW-PE powder grade for battery separators; filtration; melt processable
HMW-PE powder grade for battery separators, filtration, melt processable

Product information

Average molecular weight	600000 g/mol	Margolies' equation
Average particle size, D50	110 μm	laser scattering

Rheological properties

Melt mass-flow rate	1.1 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	21.6 kg	

Typical mechanical properties

Charpy double notched impact strength, 23°C	45 kJ/m ²	ISO 21304-2
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Tribological properties

Relative Wear (based on GUR 4120=100), sandslurry method	250	Internal
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Other properties

Density	950 kg/m ³	ISO 1183
Bulk density	450 kg/m ³	ISO 60

Characteristics

Food contact	FDA 21 CFR
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