

GUR® 4017

GUR®

HMW-PE powder grade

Product information

Resin Identification	(PE-HMW)	ISO 1043
Average molecular weight	670000 g/mol	Margolies' equation
Average particle size, d50	190 µm	laser scattering

Rheological properties

	dry/cond.		
Melt mass-flow rate	0.8/*	g/10min	ISO 1133
Melt mass-flow rate, Temperature	190/*	°C	
Melt mass-flow rate, Load	21.6/*	kg	
Viscosity number	560/*	cm³/g	ISO 307, 1628

Typical mechanical properties

	dry/cond.		
Charpy notched impact strength, 23°C	35/-	kJ/m²	ISO 179/1eA

Tribological properties

Wear by sandslurry method (based on GUR 4120=100)	265
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Physical/Other properties

	dry/cond.		
Density	950/-	kg/m³	ISO 1183
Bulk density	460	kg/m³	ISO 60

Characteristics

Processing	Porous Sintering
Delivery form	Powder
Special characteristics	Hydrolysis resistant, Low wear / Low friction, Chemical resistant