

GUR® 4130 CR

GUR®

UHMW-PE coarse particle powder grade

Product information

Resin Identification	(PE-UHMW)	ISO 1043
Part Marking Code	>(PE-UHMW)<	ISO 11469
Average particle size, d50	155 µm	laser scattering

Typical mechanical properties

Elongational stress F, 150/10	0.4 MPa	ISO 21304-2
Shore D hardness, 15s	60	ISO 48-4 / ISO 868

Thermal properties

Temperature of deflection under load, 1.8 MPa	38 °C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	80 °C	ISO 306

Electrical properties

Volume resistivity	1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	1E12 Ohm	IEC 62631-3-2

Physical/Other properties

Density	930 kg/m ³	ISO 1183
Bulk density	450 kg/m ³	ISO 60

Characteristics

Processing	Ram Extrusion, Compression moulding
Delivery form	Powder
Special characteristics	Hydrolysis resistant, Low wear / Low friction, Chemical resistant