

GUR® X 203 - PE-HMW

Physical properties	Value	Unit	Test Standard
Elongational Stress F, 150/10	34.8	psi	ISO 21304-2
Average molecular weight	4.4E6	g/mol	Margolies' Equation
Density	58.1	lb/ft ³	ISO 1183
MFR temperature	374	°F	ISO 1133
MFR load	47.6	lb	ISO 1133
Intrinsic viscosity	52600	in ³ /lb	ISO 1628-3
Viscosity number (PE and PP)	60900	in ³ /lb	ISO 1628-3
Average particle size, d50	170	µm	Laser scattering

Mechanical properties	Value	Unit	Test Standard
Charpy double 14° v-notch strength, 23°C	57.1	ft-lb/in ²	ISO 21304-2
Wear by sandslurry method (based on GUR 4120=100)	110	-	Internal
Tensile modulus	116000	psi	ISO 527-2/1B
Tensile stress at yield	3050	psi	ISO 527-2/1B
Tensile strain at yield	15	%	ISO 527-2/1B
Tensile stress at 50% strain	3050	psi	ISO 527-2/1B
Tensile stress at break	5950	psi	ISO 527-2/1B
Tensile nominal strain at break	380	%	ISO 527-2/1B

Characteristics

Processing Injection molding

