

ATC – EXTRUDED PROFILE CERTIFICATE

Material: UHMWPE

Celanese gur UHMWPE

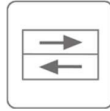
Typical Characteristics



Wear Resistance



Low Water Absorption



Low Friction

Physical Properties

Property	Test method	Unit	Typical value
Colour			
Shore Hardness	ISO 868	Shore D	60
Modulus of elasticity	ISO 527-1	Mpa	700
Tensile Strength at Yield	ISO 527-1	Mpa	700
Moisture Absorption in air (23°C / 50% RH)	ISO 62	%	0.01
Density	ISO 1183-1	g/cm ³	0.93
Coefficient Of Linear Thermal Expansion	ISO 11359-1	10 ⁻⁵ K ⁻¹	18
Coefficient Of Friction**		μ	0.25
Service temperature (Long term)		°C	-200
Service temperature (short term - max)		°C	+80

** coefficient of friction dry dynamic Steel 16MnCr5 v=0,6m/s;
p=0,05 MPa; t=5h

Main Characteristics

- High Impact strength
- Low moisture uptake
- Good wear and sliding properties
- Corrosive chemical resistance
- Excellent low-temperature properties

Typical Products

- Wear Strip Extrudeds
- Extruded profiles

Typical Applications

Due to its excellent wear resistance, low moisture uptake and excellent sliding properties, Celanese gur UHMWPE, is an excellent material choice for Wear strips, extruded profiles commonly used in the Conveyor industry. Celanese gur UHMWPE is limited by its upper temperature limit.

ATC CHAINS INDIA ,

22 Kalyan Nagar Society , Opp Akhand Anand School , Shahpur Fire Station Road , Mehandikuva , Shahpur , Ahmedabad ,
380004 , Gujarat – India , Mo – 9173610999 , Ph- 079-25626077
email id – sales@atcchain.com