

Product Data Sheet

94 AU 21201

PRODUCT DESCRIPTION

Key features are good oil & solvent resistance, low compression set, excellent wear performance, durability, resistance to dynamic stress, short cycle times and high melt stability.

APPLICATIONS

Thick wall technical parts, thin wall technical parts and seals and gaskets.

TYPICAL PHYSICAL PROPERTIES

Properties	Key	NORM	Value	Unit
Hardness (after 3 sec.)	M	ISO 7619	94	Shore A
Hardness (after 3 sec.)	M	ISO 7619	46	Shore D
Density	M	ISO 1183-1	1,20	g/cm ³
Tensile strength	M	DIN 53504	55	MPa
Tensile stress @ 5% elongation	M	DIN 53504	8,2	MPa
Tensile stress @ 20% elongation	M	DIN 53504	11	MPa
Tensile stress @ 50% elongation	M	DIN 53504	12,5	MPa
Tensile stress @ 300% elongation	M	DIN 53504	24,5	MPa
Tear strength	M	ISO 34-1	110	N/mm
Abrasion	M	ISO 4649	30	mm ³
Bayshore rebound resilience	M	ASTM D 2632	29	%
Compression set at 70h @ 23°C	M	ISO 815	15	%
Compression set at 24h @ 70°C	M	ISO 815	25	%
Compression set at 24h @ 100°C	M	ISO 815	30	%
Compression set at 70h @ 100°C	M	ISO 815	35	%
Mold shrinkage	M	ISO 294-4	1,3	%
Softening range low	M	Huntsman TMA	210	°C
Softening range high	M	Huntsman TMA	220	°C
Vicat softening point VST/A120	M	ISO 306	160	°C

M = Injection molded parts to meet DIN & ASTM requirements. Parts tempered for 20 hrs @ 120 °C prior to testing



HEALTH & SAFETY ADVICE

Before undertaking any trials with this product it is essential that all personnel are aware of the necessary precautions that must be taken. These are detailed in the relevant Material Safety Data Sheet (MSDS), which will be provided by Huntsman.

SUPPLY & STORAGE

94 AU 21201 is supplied in bags, drums or octabins. Please contact your customer service to confirm this.

94 AU 21201 has a minimum expected shelf life of 12 months after shipment date. The product should be stored in a dry and cool place in the manufacturer's original packaging.

MATERIAL PREPARATION

94 AU 21201 is supplied pre-dried, however to ensure trouble-free processing it is preferable to dry before use. The recommended drying conditions are:

- 3 hours at 100-110°C in circulating air
- 3 hours at 80-90°C in dehumidified air
- Dew point: -30°C

PHYSICAL FORM

Type: Opaque rough cut granules

PROCESSING PARAMETERS

Melt Volume Rate 210°C / 21,6kg ISO 1133-1 = 70 cm³/10min

Processing Parameter: Injection Molding

Temperature Profile °C

Feed Zone: 25 - 40

Barrel: 205 - 215

Nozzle: 210 - 220

Mold: 20 - 50