



## C-HPU 82D Härte 82 Shore D bernstein

C-HPU 82D hardness 82 shore D amber brown

### Hydrolysebeständiges Gußpolyurethan

Casted thermoplastic polyurethane with resistance to hydrolysis

## Mechanische, physikalische und thermische Eigenschaften

Mechanical, physical and thermal properties

Eigenschaften properties	Bedingung condition	Norm standard	Einheit unit			
Farbe colour				bernstein amber brown		bernstein amber brown
Härte hardness	23°C	ISO 868	shore D	82 ± 3	shore D	82 ± 3
Härte hardness	70°C	ISO 868	shore D	76 ± 3	shore D	76 ± 3
Härte hardness	100°C	ISO 868	shore D	72 ± 3	shore D	72 ± 3
Reißfestigkeit <sup>+</sup> tensile strength	23°C	DIN 53 504	MPa	≥ 60	psi	≥ 8700
Reißdehnung elongation at break	23°C	DIN 53 504	%	≥ 15	%	≥ 15
Reißfestigkeit <sup>++</sup> tear strength	23°C	DIN 53 455	MPa	≥ 55	psi	≥ 7800
Reißdehnung elongation at break	23°C	DIN 53 455	%	≥ 40	%	≥ 40
Spezifisches Gewicht spec. gravity	23°C	ISO 1183	kg/m <sup>3</sup>	1185	g/cm <sup>3</sup>	1,185
Min. Einsatztemperatur minimum service temperature			°C	-20	°F	-4
Max. Einsatztemperatur maximum service temperature			°C	110	°F	230
+ 200 mm/min Traversengeschwindigkeit + 200 mm/min Crosshead Speed			++ 5 mm/min Traversengeschwindigkeit ++ 5 mm/min Crosshead Speed			

## Chemical Properties

Copolymer, based on aromatic isocyanate and diamines

Resistant to: oil, petrol, hot air, ozone

Not resistant to: conc. acids, conc. lyes, conc. alcohols and aromatic solvents

Detailed information concerning chemical resistance see RDA Chemical Resistance Guide