



C-HPU Härte 72 Shore D natur

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Hydrolysebeständiges Polyurethan

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				natur natural		natur natural
Härte hardness	23°C	ISO 868	shore D	72 ± 3	shore D	72 ± 3
Spannungswert/Modul 100 % modulus 100 %	23°C	DIN 53 504	MPa	≥ 40	psi	≥ 5800
Reißfestigkeit tensile strength	23°C	DIN 53 504	MPa	≥ 50	psi	≥ 7250
Reißdehnung elongation at break	23°C	DIN 53 504	%	≥ 150	%	≥ 150
Weiterreißwiderstand tear strength	23°C	DIN 53 515	kN/m	≥ 110	lbf/inch	≥ 625
Spezifisches Gewicht spec. gravity	23°C	ISO 1183	kg/m ³	1210	g/cm ³	1,21
Min. Einsatztemperatur minimum service temperature			°C	-20	°F	-4
Max. Einsatztemperatur maximum service temperature			°C	110	°F	230

Chemical Properties

Copolymer, based on aromatic isocyanate and diols and internal lubricants

Resistant to: oil, petrol, hot water, 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