

RHONDAMA LIMITED C-HPU82

C-HPU 82D Hardness 82° Shore D Amber Brown

Casted thermoplastic polyurethane with resistance to hydrolysis

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Amber Brown		Amber Brown
Hardness	23°C	ISO 868	Shore D	82±3	Shore D	82±3
Hardness	70°C	ISO 868	Shore D	76±3	Shore D	76±3
Hardness	100°C	ISO 868	Shore D	72±3	Shore D	72±3
Tensile strength +	23°C	DIN 53 504	MPa	≥60	Psi	≥8700
Elongation at break	23°C	DIN 53 504	%	≥15	%	≥15
Tensile strength ++	23°C	DIN 53 455	MPa	≥55	Psi	≥7800
Elongation at break	23°C	DIN 53 455	%	≥40	%	≥40
Spec. gravity	23°C	ISO 1183	Kg/m ³	1185	g/cm ³	1,185
Minimum service temperature			°C	-20	°F	-4
Maximum service temperature			°C	110	°F	230
+ 200 mm/min Crosshead Speed			++ 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 Rhondama Compatibility Chart