

Taiwan PU Corporation PPG CPU-1090C Polyurethane Casting Elastomer

Category : Polymer , Thermoset , Polyurethane, TS , Rubber or Thermoset Elastomer (TSE)

Material Notes:

A urethane elastomer that can be cured by reacting with a polyamine or a polyolhardener. The molding process is composed of pre-heating, degassing, maxing with a hardener, pouring into the mold, curing, demolding and after curing. Information provided by Taiwan PU Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Taiwan-PU-Corporation-PPG-CPU-1090C-Polyurethane-Casting-Elastomer.php

Physical Properties	Metric	English	Comments
Viscosity	15000 - 25000 cP	15000 - 25000 cP	
	@Temperature 40.0 Â°C	@Temperature 104 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88 - 92	88 - 92	
Tensile Strength at Break	19.12 - 28.93 MPa	2773 - 4196 psi	
Elongation at Break	510 - 610 %	510 - 610 %	
Tear Strength	83.4 - 123 kN/m	476 - 700 pli	

Processing Properties	Metric	English	Comments
Processing Temperature	85.0 Â°C	185 Â°F	Working Temperature, Prepolymer
Mold Temperature	100 Â°C	212 Â°F	
Pot Life	10 min	10 min	

Descriptive Properties	Value	Comments
MOCA Temperature	110Â°C	
NCO Content	Max 4.5%	
	Min 4.1%	
PHR of MOCA	12.5%	

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