

# TPUCO® TPUE-E80

Thermoplastic Polyurethane Elastomer (Polyester)

Taiwan PU Corporation

## Message:

TPUCO® TPUE-E80 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material. It is available in Asia Pacific for extrusion. Primary attribute of TPUCO® TPUE-E80: Wear Resistant.

Typical applications include:

Hose/Tubing

Conveyors

Film

Sheet

Wire & Cable

General Information			
Features	General Purpose		
	Good Abrasion Resistance		
	Good Wear Resistance		
Uses	Conveyors		
	Film		
	Hose		
	Sheet		
	Tubing		
	Wire & Cable Applications		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Loss	15.0	mg	
Impact Resilience	40	%	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	4.90	MPa	
300% Strain	7.85	MPa	
Tensile Strength (Break)	24.5	MPa	ASTM D412
Tensile Elongation (Break)	950	%	ASTM D412
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	175	°C	
Cylinder Zone 3 Temp.	180	°C	

Cylinder Zone 5 Temp.	185	°C
Adapter Temperature	190	°C
Die Temperature	170	°C

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