

Polyether-based TPU

■ Features

Flame-retardant, Halogen-free, Low Temperature Flexibility, Microbial Resistance

■ Applications

Belting, Wire & Cable Jackets, Hose & Tube, Injection & Extrusion

■ Properties

Properties	Standard	Unit	Value
Physical Properties			
Density	ASTM D792	g/cm ³	1.16
Hardness	ASTM D2240	Shore A	86
Mechanical Properties			
Tensile Strength	ASTM D412	MPa	18
100% Modulus	ASTM D412	MPa	7
300% Modulus	ASTM D412	MPa	11
Elongation at Break	ASTM D412	%	350
Tear Strength	ASTM D624	KN/m	85

Note: The above values are shown as typical values and should not be used as specifications.

Package: Normally 25kg/bag

■ Processing Guide

For optimum results, previous drying of the product during 3-4 hours at 80-90°C is advisable, in a desiccant-air dryer. The suggested processing-temperature profiles for injection & extrusion are depicted in the figure below.

INJECTION:

ZONES	Set Value
NOZZLE (°C)	185
METERING(°C)	190
COMPRESSION(°C)	185
FEEDING(°C)	180
PRESSURE(KG)	80

EXTRUSION:

ZONES	Set Value
DIE(°C)	165
ADAPTOR(°C)	170
METERING(°C)	180
COMPRESSION(°C)	170
FEEDING(°C)	160

■ Environmental & Healthy & Safety

Take MSDS for reference.

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.