

# Baoding 76E80

Thermoplastic Polyurethane Elastomer (Polyether)

Baoding Bangtai Polymeric New-Materials Co.,Ltd

Message:

Properties: Outstanding weather and cold resistance, hydrolysis resistance and good flexibility at low temperature.  
Application: Soft oil hoses,Oil pipes, Shale gas hoses, Protective cover for signal transmission line, Fire hose linings, Sea recreational equipments.

General Information			
Features	Good Weather Resistance		
	Hydrolysis Resistant		
	Low Temperature Flexibility		
Uses	Hose		
	Liners		
	Piping		
	Transmission Applications		
	Water Sports Equipment		
Processing Method	Casting		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08 to 1.12	g/cm <sup>3</sup>	JIS K7311
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	78 to 82		JIS K7311
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			JIS K7311
100% Strain	5.88	MPa	
300% Strain	13.7	MPa	
Tensile Strength	21.6	MPa	JIS K7311
Tensile Elongation (Break)	420	%	JIS K7311
Tear Strength	78	kN/m	JIS K7311
Injection	Nominal Value	Unit	
Drying Temperature	95.0	°C	
Drying Time	3.0 to 5.0	hr	
Processing (Melt) Temp	170 to 200	°C	

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