

# Precision Polymer E60Q

Ethylene Propylene Diene Terpolymer

Precision Polymer Engineering Ltd.

## Message:

Peroxide cured, Ethylene Propylene Terpolymer, 60 °IRHD. Terpolymer of ethylene, propylene and diene monomers. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations, Title 21 (CFR21), Section 177.2600. To meet ASTM D2000/SAE J200 line call-out M4CA610, A25, B35, C32, EA14, F17. Excellent water and steam resistance with good compression set properties. Superior heat and chemical resistance compared to sulphur cured EPDM. Not oil resistant.

General Information			
Features	Steam resistance		
	Low or no water absorption		
Agency Ratings	FDA 21 CFR 177.2600		
Hardness	Nominal Value		Test Method
IRHD Hardness	60		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.0	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	250	%	ASTM D412, ISO 37
Compression Set			
125°C, 22 hr	70	%	ASTM D395B
125°C, 22 hr <sup>1</sup>	70	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (125°C, 70 hr)	-20	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (125°C, 70 hr)	-40	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (125°C, 70 hr)	10		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	150	°C	
Low Temperature Resistance - Non-brittle for 3 minutes			
--	-40	°C	ISO R812
--	-40	°C	ASTM D2137
Additional Information	Nominal Value	Unit	Test Method
Minimum Operating Temperature: -40°C (-40°F)			
NOTE			

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