

Precision Polymer E70K

Ethylene Propylene Diene Terpolymer

Precision Polymer Engineering Ltd.

Message:

General purpose, peroxide cured, Ethylene Propylene Terpolymer, 70-75 °IRHD. Terpolymer of ethylene, propylene and diene monomers. To meet ASTM D2000/SAE J200 line call-out M5CA710, A25, B35, C32, EA14, F17.
Excellent water and steam resistance with good compression set properties. Better heat and chemical resistance than sulphur cured EPDM. Not mineral oil resistant.

General Information			
Features	Steam resistance		
	Low or no water absorption		
Hardness	Nominal Value		Test Method
IRHD Hardness	74		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.6	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	200	%	ASTM D412, ISO 37
Compression Set			
125°C, 24 hr	5.0	%	ASTM D395B
125°C, 24 hr ¹	5.0	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 70 hr)	-1.0	%	ASTM D412, ISO 37
Change in Ultimate Elongation in Air (100°C, 70 hr)	-11	%	ASTM D412, ISO 37
Change in IRHD Hardness in Air (100°C, 70 hr)	3.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature			
--	125	°C	
Shorter term, intermittent	150	°C	
Additional Information			
Minimum Operating Temperature: -40°C (-40°F)			
NOTE			
1.	Type B		

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