Precision Polymer E81H

Ethylene Propylene Diene Terpolymer

Precision Polymer Engineering Ltd.

Message:

Sulphur cured, white Ethylene Propylene Terpolymer, 75-85 °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 (CFR21), Section 177.2600.
Material formulated for repeated use with aqueous foodstuffs intended for human consumption.

General Information			
Features	Compliance of Food Exposure		
Uses	Non-specific food applications		
Agency Ratings	FDA 21 CFR 177.2600		
Hardness	Nominal Value		Test Method
IRHD Hardness	78		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7.00	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	200	%	ASTM D412, ISO 37
Compression Set			
100°C, 70 hr	13	%	ASTM D395B
100°C, 70 hr [1]	13	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (125°C, 168 hr)	-15	%	ASTM D573, ISO 188
Change in Ultimate Elongation in Air (125°C, 168 hr)	-15	%	ASTM D573, ISO 188
Change in IRHD Hardness in Air (125°C, 168 hr)	6.0		ASTM D573, ISO 188
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	150	°C	
Low Temperature Resistance - Non-brittle after 3 mins	-40	°C	
Additional Information	Nominal Value	Unit	
Minimum Operating Temperature: -40°C (-40°F)			
NOTE			
1.	Type B		

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