



HYTREL

Standard Compounds for Machined Seal



Hyrel is a TPC-ET thermoplastic polyester elastomer with good aging properties at high temperatures. It combines good resilience, temperature and chemical resistance with strength and durability. Hyrel can be used as sealing elements such as wipers, back-up rings and seals pre-loaded with elastomer o-rings.

Compound	S24 HY01			
Features	---	Hyrel 5555HS / Theroplastic Polyester Elastomer TPC-ET		
Color	---	Orange		
Hardness ISO 868	Shore D	54D		
Minimum Temperature	°F	-22		
Maximum Temperature	°F	248		
Modulus @ 100% DIN 53504	psi	≥ 2175		
Tensile Strenght DIN 53504	psi	≥ 4060		
Elongation @ Break DIN 53504	%	≥ 300		
Tear Strenght DIN ISO 34-1	lbf/inch	≥ 705		



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Compound	---	S24 HY01			
Specific Gravity ISO 1183	g/cm ³	1.19			
Rebound Elasticity DIN 53512	%	---			
Abrasion DIN 53516	mm ²	120			
Compression Set ISO 815 24h 158 °F 25% def	%	≤ 60			
Compression Set ISO 815 24h 212 °F 25% def	%	---			
Compression Set ISO 815 24h 302 °F 25% def	%	---			

TEST DATA ONLY - DO NOT USE FOR SPECIFICATION

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