



NexPrene[®] 9080A

DESCRIPTION:

NexPrene[®] 9080A thermoplastic vulcanizate is a fully crosslinked EPDM/PP compound. It is designed to replace thermoset elastomers, such as EPDM or polychloroprene, and traditional thermoplastic TPVs. NexPrene[®] 9080A provides the performance of vulcanized rubber with the advantage of low-cost thermoplastic processing.

APPLICATIONS:

Suitable for applications requiring flexibility in the following markets: automotive, appliance, business machines, construction, consumer products, electrical & electronics, fluid delivery, hardware, and medical devices.

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
PHYSICAL			
Hardness: Injection Molded, 5 sec	80	Shore A	ISO 868
Specific Gravity 23°C	0.96	g/cc	ISO 1183
Oil Resistance 125°C, 70 hrs	70	% vol swell	ISO 1817
Compression Set 24 hr @ 23°C 70 hr @ 125°C	23 60	%	ISO 815
Brittle Point	<-50	°C	ISO 812
Ozone Resistance 500 hr, 100 pphm O ₃ conc.	Good		ASTM D-1149
MECHANICAL			
Tensile Strength 23°C, 550 mm/min	9	MPa	ISO 527
Tensile Modulus @ 100% 23°C, 500 mm/min	6	MPa	ISO 527
Ultimate Elongation 23°C, 500 mm/min	320	%	ISO 527
Tear Strength 23°C, 500 mm/min	45	kN/m	ISO 34 (Die C)

Properties determined on injection molded slabs, 150mm x 100mm x 2mm

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