



NexPrene® 9090A

DESCRIPTION:

NexPrene® 9090A 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® 9090A 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	90	Shore A	ISO 868
Compression Set 70 hrs @ 125°C	70	%	ISO 815
Oil Resistance 125°C, 70 hrs	70	% vol swell	ISO 1817
Specific Gravity 23°C	0.95	g/cc	ISO 1183
MECHANICAL			
Tensile Strength 23°C, 550 mm/min	2,175 15	psi MPa	ISO 37
Tensile Modulus @ 100% 23°C, 500 mm/min	1,130 7.8	psi MPa	ISO 37
Ultimate Elongation 23°C, 500 mm/min	400	%	ISO 37
Tear Strength 23°C, 500 mm/min	400 70	lb/in kN/m	ISO 34-1

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

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