



NEXPRENE 9075A

DESCRIPTION:

NexPrene[®] 9075A 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[®] 9075A 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, 15 sec	76		ASTM D-2240
Extrusion, 5 sec	75	Shore A	ISO 868
Specific Gravity 23°C	0.96		ASTM D-792 ISO 1183
IRM 903 Oil, Vol. Swell 70 hr @ 125°C	79	%	ASTM D-471 ISO 1817
Compression Set			
24 hr @ 23°C	21		ASTM D-395
24 hr @ 100°C	-	%	ISO 815
72 hr @ 125°C	55		ASTM D-395 ISSO 815
Brittle Point	<-60	°C	ASTM D-746 ISO 812
Ozone Resistance 500 hr, 100 pphm O ₃ conc.	Good		ASTM D-1149
MECHANICAL			
Tensile Strength 23°C, 500 mm/min	6	MPa	ASTM D-412 ISO 527
Tensile Modulus @ 100% 23°C, 500 mm/min	5	MPa	ASTM D-412 ISO 527
Ultimate Elongation 23°C, 500 mm/min	500	%	ASTM D-412 ISO 527
Tear Strength 23°C, 500 mm/min	40	kN/m	ASTM D-624 (Die C) ISO 34 (Die C)

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