



TPV – 125A Datasheet

Description:

TPV – 125A is an EPDM/PP TPV compound designed to replace thermoset elastomers such as polychloroprene (Neoprene) and EPDM compounds as well as sponge. This grade is a Shore 25A fully vulcanized EPDM/PP TPV. This grade is black and designed for applications that require low hardness. Ideal for applications in the Automotive and Building Construction market that requires excellent ozone and uv resistance. TPV rubber provides the advantage of low-cost thermoplastic processing such as Injection Molding, Extrusion and blow molding.

Applications:

Suitable for components such as weatherseals, valves, gaskets, tubes, diaphragms, seals and cable jacketing.

PROPERTY	Typical Value	Units	Test Method
PHYSICAL			
<u>Hardness</u>			
Injection Molded, 5 sec	27	Shore A	ASTM D2240
Extrusion, 5 sec	23		
<u>Specific Gravity</u>			
23°C	.93		ASTM D792
<u>Compression Set [125C, 70H]</u>			
22 hr @ 70°C	16	%	ISO 815
<u>Ozone Resistance</u>			
500 hr, 100 pphm O ₃ conc.	Good		ASTM D1149
MECHANICAL			
<u>Tensile Strength</u>			
23°C, 500 mm/min	3.5	Mpa	ASTM D412
<u>Tensile Modulus @ 100%</u>			
23°C, 500 mm/min	0.5	Mpa	ASTM D412
<u>Ultimate Elongation</u>			
23°C, 500 mm/min	650	%	ASTM D412
<u>Tear Strength</u>			
23°C, 500 mm/min	14	kN/m	ISO 34 (Die C)
<u>Flammability</u>			
	Pass		UL94-HB
<u>Maximum recommended operating temperature: 275°F</u>			