



## TPV – 135A Datasheet

**Description:**

TPV – 135A 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 35A 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
<b>PHYSICAL</b>			
<b>Hardness</b>			
Injection Molded, 5 sec	37	Shore A	ASTM D2240
Extrusion, 5 sec	33		
<b>Specific Gravity</b>			
23°C	.93		ASTM D792
<b>Compression Set [125C, 70H]</b>			
22 hr @ 70°C	25	%	ISO 815
<b>Ozone Resistance</b>			
500 hr, 100 pphm O <sub>3</sub> conc.	Good		ASTM D1149
<b>MECHANICAL</b>			
<b>Tensile Strength</b>			
23°C, 500 mm/min	4.3	Mpa	ASTM D412
<b>Tensile Modulus @ 100%</b>			
23°C, 500 mm/min	0.7	Mpa	ASTM D412
<b>Ultimate Elongation</b>			
23°C, 500 mm/min	635	%	ASTM D412
<b>Tear Strength</b>			
23°C, 500 mm/min	16	kN/m	ISO 34 (Die C)
<b>Flammability</b>			
	Pass		UL94-HB
<b>Maximum recommended operating temperature: 275°F</b>			