



TPV 65A-400 Datasheet

Description:

TPV 65A-400 is a thermoplastic Elastomer (TPE), that is based on PP/EPDM. It is designed to replace thermoset elastomers, such as EPDM or polychloroprene, and traditional thermoplastic TPVs/TPEs. TPV 65A-400 provides the performance of vulcanized rubber with the advantage of low-cost thermoplastic processing. Excellent oil and chemical resistance with a maximum service temperature of 275°F. It is ozone, UV and water resistant as well. This grade is also considered polyolefin.

Applications:

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

PROPERTY	Typical Value	Units	Test Method
<u>PHYSICAL</u>			
<u>Hardness</u>			
Injection Molded, 5 sec	65	Shore A	ASTM D2240
Extrusion, 5 sec	63		
<u>Specific Gravity</u>			
23°C	.94		ASTM D792
<u>Compression Set [125C, 70H]</u>			
22 hr @ 70°C	26	%	ASTM D395
<u>Brittle Point</u>			
	-70	°C	ASTM DD-746
<u>Ozone Resistance</u>			
500 hr, 100 pphm O ₃ conc.	Excellent		ASTM D1149
<u>MECHANICAL</u>			
<u>Tensile Strength</u>			
23°C, 500 mm/min	5	Mpa	ASTM D412
<u>Tensile Modulus @ 100%</u>			
23°C, 500 mm/min	2.9	Mpa	ASTM D412
<u>Ultimate Elongation</u>			
23°C, 500 mm/min	490	%	ASTM D412
<u>Tear Strength</u>			
23°C, 500 mm/min	30	kN/m	ASTM D624 (Die C)