

# PolyPrime Inc.

906 Fountain Parkway, Grand Prairie TX 75050 Ph 972-641-4701 Fax 972-641-4703

## TECHNICAL DATASHEET *EZPrene® 40D-400*

### Attributes:

- EZPrene is a thermoplastic vulcanizate containing EPDM and PP.
- Conventional thermoplastic processing equipment can be used.
- It is designed for applications requiring long term sealing performance even at elevated temperatures up to 135°C (275F).
- Soft-touch feel for grips and handles used in automotive and consumer goods.
- EZPrene 400 series are naturally colorless; making them ideal for vibrant color applications.
- Suitable for injection molding, profile extrusion and sheet applications.
- EZPrene 40D-400 is UV stabilized; meeting the most stringent automotive requirements.

### Applications:

EZPrene is a cost effective solution for replacing Santoprene rubber, styrene based TPEs, flexible PVC, and thermoset rubbers such as EPDM, and Polychloroprene. It is an excellent choice for applications requiring flexibility in the following markets: automotive parts, appliance, business machines, construction, consumer products, and electronics.

<u>Property</u>	<u>Typical</u>	<u>Unit</u>	<u>Test Method</u>
<b>PHYSICAL</b>			
Hardness:			ASTM D-2240
Injection Molded, 5 sec	40	Shore D	
Injection Molded, 15 sec	38		
Specific Gravity 23°C	0.96	N/A	ASTM D-792
Melt Point	158.5°C (317F)		
Compression Set 22 hr @ 70°C 70 hr @ 125°C	42 73	%	ASTM D-395
Brittle Point	-70	°C	ASTM D-746
Ozone Resistance 500 hr, 100 pphm O <sub>3</sub> conc.	Excellent		ASTM D-1149
<b>MECHANICAL</b>			
Tensile Strength 23°C, 500 mm/min	18	MPa	ASTM D-412
Tensile Modulus @ 100% 23°C, 500 mm/min	9	MPa	ASTM D-412
Ultimate Elongation 23°C, 500 mm/min	1100	%	ASTM D-412
Tear Strength 23°C, 500 mm/min	82	kN/m	ASTM D-624 (Die C)