



## TPV – 145A – 400 Datasheet

**Description:**

TPV – 145A – 400 Thermoplastic Elastomers are engineered polyolefins with elastomeric behavior designed for injection molding, extrusion, and blow molding applications where soft touch and flexibility are needed. These materials are colorable, weatherable, and may be recycled with other polyolefins.

**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
<b><u>PHYSICAL</u></b>			
<b><u>Hardness</u></b> 23°C, 5 sec.	58	Shore A	ISO 868
<b><u>Specific Gravity</u></b> 23°C	.96	g/cc	ISO 1183
<b><u>MECHANICAL</u></b>			
<b><u>Tensile Strength</u></b> 23°C, 500 mm/min	650 4.5	psi MPa	ISO 37
<b><u>Ultimate Elongation</u></b> 23°C, 500 mm/min	>300	%	ISO 37
<b><u>100% Modulus</u></b> 23°C, 500 mm/min	300 2.0	psi MPa	ISO 37
<b><u>Tear Strength</u></b> 23°C, 500 mm/min	115 20	lb/in kN/m	ISO 34-1
<b><u>Compression Set</u></b> 100°C, 22 hrs	40	%	ISO 815
<b><u>Oil Resistance (IRM 903)</u></b> 70 hr @ 125°C	120	% vol swell	ISO 1817