



TPV – 70A – 400NUV Datasheet

Description:

TPV – 70A – 400NUV 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. This is a specialty natural U.V Grade.

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
PHYSICAL			
<u>Hardness</u> 23°C, 5 sec. (I.M.)	70	Shore A	ISO 868
<u>Specific Gravity</u> 23°C	.97	g/cc	ISO 1183
MECHANICAL			
<u>Tensile Strength</u> 23°C, 500 mm/min	1257 8.7	psi MPa	ISO 37
<u>Ultimate Elongation</u> 23°C, 500 mm/min	611	%	ISO 37
<u>100% Modulus</u> 23°C, 500 mm/min	448 3.1	psi MPa	ISO 37
<u>Tear Strength</u> 23°C, 500 mm/min	236 41	lb/in kN/m	ISO 34-1
<u>Compression Set</u> 100°C, 22 hrs	50	%	ISO 815
<u>Oil Resistance (IRM 903)</u> 70 hr @ 125°C	100	% vol swell	ISO 1817