

## Advanced Polymer Alloys DuraGrip™ 6870 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

With its true rubber look and feel, DuraGrip® TPE improves the performance and appearance of virtually any consumer or light industrial product. Its one of the most versatile materials in APAs extensive line of Melt-Processable Elastomers™. FDA compliant grades with very good elastomeric properties and, when needed, a soft touch feel. Available in a wide variety of hardnesses

**Advantages**

- Soft Grips** – When combined with rigid thermoplastic substrates ,DuraGrip adds an ergonomic, soft feel that increases customer value in household products, appliances, personal care items, hand tools, sporting goods, and more.
- Eye-Catching Color** – Makes this product more attractive to the customers with easily colorable natural, translucent, and clear grades.
- Faster Cycle Times** – DuraGrip flows easily and molds with precision, enabling you to realize maximum throughput and profitability.
- General purpose performance**FD-compliant applications
- Bonding to polypropylene and polyethylene**Engineered thermoplastic bonding
- Clear products**Bonding to nylon

Information provided by Advanced Polymer Alloys

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Advanced-Polymer-Alloys-DuraGrip-6870-Thermoplastic-Elastomer.php](http://www.lookpolymers.com/polymer_Advanced-Polymer-Alloys-DuraGrip-6870-Thermoplastic-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.990 g/cc	0.990 g/cc	ASTM D471
Viscosity	104000 cP	104000 cP	ASTM D3835
	@Shear Rate 300 1/s, Temperature 190 °C	@Shear Rate 300 1/s, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	5 Sec; ASTM D2240
Tensile Strength at Break	7.832 MPa	1136 psi	ASTM D412
Elongation at Break	369 %	369 %	ASTM D412
100% Modulus	0.00240 GPa	0.348 ksi	ASTM D412
Graves Tear Strength	26.1 kN/m	149 pli	Die C; ASTM D624
	@Temperature 24.0 °C	@Temperature 75.2 °F	
Compression Set	27 %	27 %	after 22 Hr At 24°C; ASTM D395
Tensile Set	15 %	15 %	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-65.0 °C	-85.0 °F	ASTM D746

Descriptive Properties	Value	Comments
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Descriptive Properties

Value

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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