

## Kuraray HYBRARÂ® A1 Thermoplastic Rubber-ABS Blend

Category : Polymer , Thermoplastic , ABS Polymer , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

HYBRARÂ® is another in the series of new high performance thermoplastic rubbers developed by KURARAY using their unique isoprene technology. HYBRARÂ® is a special thermoplastic rubber which exhibits high vibration damping properties at room temperatures. Both hydrogenated and non-hydrogenated grades of HYBRARÂ® are available. In addition to the superior vibration damping properties, hydrogenated grades also exhibit excellent miscibility with polypropylene, and may be used to produce blends with excellent transparency, flexibility and mechanical properties. Blends of HYBRARÂ® and other polymers exhibit excellent vibration damping properties. Mixing Conditions: Single Screw Extruder @ 210Â°C Molding Conditions: Injection molding, Cylinder @ 230Â°C, Mold @ 50Â°C Formulation (parts by weight): ABS - 60, HYBRARÂ® 5127 - 10, Mica - 30, Silane Coupling Agent - 0.16 Information provided by The Kuraray Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kuraray-HYBRAR-A1-Thermoplastic-Rubber-ABS-Blend.php](http://www.lookpolymers.com/polymer_Kuraray-HYBRAR-A1-Thermoplastic-Rubber-ABS-Blend.php)

Mechanical Properties	Metric	English	Comments
Flexural Yield Strength	59.0 MPa	8560 psi	
Izod Impact, Notched	0.290 J/cm	0.543 ft-lb/in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.8 Â°C	212 Â°F	Pressure Not Specified

Descriptive Properties	Value	Comments
Tan Delta	0.032	at 40Â°C, measured w/ Rheovibron @ 11 Hz
	0.035	at 25Â°C, measured w/ Rheovibron @ 11 Hz
	0.053	at 10Â°C, measured w/ Rheovibron @ 11 Hz
	0.077	at 0Â°C, measured w/ Rheovibron @ 11 Hz

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China