

## LyondellBasell Hostacomâ„ç RTA3184 Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

### Material Notes:

Description: Hostacomâ„ç RTA3184 medium melt flow, 1,300 MPa flexural modulus, low level glass-reinforced, colorable, interior trim grade thermoplastic elastomeric olefin (TEO) resin is modified to provide balanced rigidity, dimensional stability and processability. It was designed for a variety of molded-in color automotive interior trim components. Uses: Automotive interior parts  
Information provided by Basell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Hostacom-RTA3184-Thermoplastic-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-RTA3184-Thermoplastic-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ASTM D792
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	8.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ISO 868
Tensile Strength, Yield	21.4 MPa	3100 psi	ASTM D 638
	23.0 MPa	3340 psi	ISO 527-1, 2
Elongation at Break	350 %	350 %	ASTM D 638
Elongation at Yield	8.0 %	8.0 %	ISO 527-1, -2
Flexural Modulus	1.17 GPa	170 ksi	Tangent, 0.05 in/min; ASTM D790
	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	2.50 kJ/m <sup>2</sup> @Temperature -40.0 Â°C	1.19 ft-lb/in <sup>2</sup> @Temperature -40.0 Â°F	ISO 180
	3.50 kJ/m <sup>2</sup> @Temperature 0.000 Â°C	1.67 ft-lb/in <sup>2</sup> @Temperature 32.0 Â°F	ISO 180
	11.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	5.23 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	ISO 180
Gardner Impact	5.01 J	3.69 ft-lb	ASTM D3029

Mechanical Properties	@Temperature -30.0 Metric °C	@Temperature -22.0 English °F	Comments
	20.0 J	14.7 ft-lb	ASTM D3029
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tear Strength	123 kN/m	700 pli	ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
Deflection Temperature at 0.46 MPa (66 psi)	92.2 °C	198 °F	Unannealed; ASTM D648
	100 °C	212 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	61.1 °C	142 °F	Unannealed; ISO 75A-1, -2
Shrinkage	1.3 %	1.3 %	Tool, 100x150x3.2 mm, injection molded plaque; Basell Test Method
	1.60 %	1.60 %	Afterbake, 100x150x3.2 mm; Basell Method
	@Temperature 121 °C, Time 3600 sec	@Temperature 250 °F, Time 1.00 hour	

## 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