

## LyondellBasell Hostacomâ„ç CA278A Thermoplastic Polyolefin Elastomer

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

### Material Notes:

Description: Hostacomâ„ç CA278A is a thermoplastic polyolefin elastomer that is used for automotive interior parts  
 Features: Good Stiffness High Flow Good Moldability Good Impact Resistance Low Temperature Impact Resistance Good Colorability  
 Information provided by Basell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Hostacom-CA278A-Thermoplastic-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-CA278A-Thermoplastic-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ISO 1183
Melt Flow	25 g/10 min	25 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ISO 868
Tensile Strength, Yield	19.0 MPa	2760 psi	ISO 527-1, -2
Elongation at Break	500 %	500 %	ISO 527-1, -2
Elongation at Yield	10 %	10 %	ISO 527-1, -2
Flexural Modulus	1.00 GPa	145 ksi	ISO 178
Izod Impact, Notched (ISO)	6.40 kJ/m <sup>2</sup>	3.05 ft-lb/in <sup>2</sup>	ISO 180
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
Impact Test	NB	NB	ISO 180
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Impact Test	24.0 J	17.7 ft-lb	Multi-Axial Instrumented Impact, Energy at Max Load (Ductile Failure), 6.75 m/sec, 5 lb crosshead; ISO 6603-2
	@Temperature 0.000 Â°C	@Temperature 32.0 Â°F	
Multi-axial Impact @ -30Â°C Total Energy	24.0 J	17.7 ft-lb	Energy at Max Load (Ductile Failure), 2.25 m/sec, 100 lb crosshead; ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	Unannealed; ISO 75B-1, -2

Thermal Properties	Metric	English	Comments
Dimensional Change at 1.8 MPa (264 psi)	32.2 A °C	100 A °F	Unannealed; ISO 75A-1, -2
Shrinkage	1.3 %	1.3 %	Tool, 100x150x3.2 mm; Basell Test Method

## Contact Songhan Plastic Technology Co.,Ltd.

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