

## Hostacom TRS 439P

Compounded Polyolefin

IMDS Number:

117204618

### Product Description

Hostacom TRS 439P is an unfilled PP copolymer with good processability, very good impact/stiffness balance, excellent surface appearance, high gloss and high UV resistance. Available in green colour RAL6018 for lawn mower housings. This grade is delivered in customer customized colors, this Data Sheet is giving general properties, some of them may be slightly altered upon color selected.

*This grade is not intended for medical, pharmaceutical, food, drinking water and all applications not listed in the supported list. For more information please contact our sales representatives.*

### Product Characteristics

<b>Status</b>	Commercial
<b>Processing Method</b>	Injection molding
<b>Features</b>	Impact/stiffness balance, gloss, surface appearance, UV resistance, melt flow.
<b>Typical Customer Applications</b>	Used for outdoor/exterior applications that require high impact strength as well as good stiffness and excellent aesthetics.

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	16	g/10 min
Density (23 °C)	ISO 1183-1/A	0.91	g/cm <sup>3</sup>
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	22	cm <sup>3</sup> /10 min
<b>Mechanical</b>			
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	1350	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	24	MPa
Tensile Modulus (23 °C)	ISO 527-1, -2	1300	MPa
<b>Impact</b>			
Charpy Impact Strength, unnotched (0 °C)	ISO 179-1/1eU	90	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	4.2	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	7	kJ/m <sup>2</sup>
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	135	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	53	°C
Vicat Softening Temperature B (50 N)	ISO 306	53	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	88	°C

### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

