



## Adstif HA5009 Provisional Data Sheet

### Polypropylene, Homopolymer

#### Product Description

Developmental Grade Adstif HA5009 is a polypropylene homopolymer manufactured using the Spheripol process. It has very good long term thermal stability, good surface hardness, suitable for injection molding. Potential end use applications include housewares and electric appliances. It can also be evaluated for automotive and other compounds in which high rigidity and very good long term thermal stability are required

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ASTM
<b>Availability</b>	Asia-Pacific, Australia/NZ, Africa-Middle East
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Homopolymer, Good Processability, High Stiffness, Good Thermal Aging Resistance
<b>Typical Customer Applications</b>	Housewares, Small Appliances

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	20	g/10 min
Density	ASTM D 1505	0.9	g/cm <sup>3</sup>
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	21500	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	410	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	6	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	2.5	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	ASTM D 785	110	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	130	°C

#### Notes

Typical properties; not to be construed as specifications.