

## Technical Data Sheet

### *Adstif* HA5029



Polypropylene, Homopolymer

#### Product Description

*Adstif* HA5029 is a high crystallinity polypropylene homopolymer with extremely high stiffness, high flowability, high gloss, high HDT, and has long term heat resistance. Typical customer applications are parts for electrical appliances such as electric kettle, coffee maker, electric fan housing, and also for TWIM and food containers. It is also used by customers for parts of automotive interior trim.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Housewares; Small Appliances
<b>Market</b>	Consumer Products; Electrical / Electronics
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Processability; Good Thermal Aging Resistance; High Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	65	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	2200	MPa	ASTM D790
Tensile Strength at Yield	41	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	20	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	117		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	140	°C	ASTM D648