



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

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

Typical Properties	Method	Value	Unit
Physical			
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 ³
Mechanical			
Flexural Modulus	ASTM D 790	21500	kg/cm ²
Tensile Strength @ Yield	ASTM D 638	410	kg/cm ²
Tensile Elongation @ Yield	ASTM D 638	6	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	2.5	kg-cm/cm
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	110	
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	130	°C

Notes

Typical properties; not to be construed as specifications.