



## Alastian PP HP12-2

Polypropylene, Homopolymer

### Product Description

"Alastian" PP HP12-2 resin is a general purpose polypropylene homopolymer.

For regulatory compliance information see "Alastian" PP HP12-2 Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS).

### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ASTM
<b>Features</b>	ESCR, High (Stress Crack Resist.), Heat Aging Resistance, Good, Stiffness, Good
<b>Typical Customer Applications</b>	Containers, Injection Moulded Caps and Closures, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density - Specific Gravity (Method B)	ASTM D 792	0.900	sp gr 23/23°C
Melt flow rate (230°C/2.16kg)	ASTM D 1238	12.0	g/10 min
<b>Mechanical</b>			
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4900 33.8	psi MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	200000 1378	psi MPa
Tensile Elongation @ Yld	ASTM D 638	10	%
<b>Impact</b>			
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.700 37.4	ft-lb/in J/m
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	ASTM D 785	88	
<b>Thermal</b>			
DTUL @66psi - Unannealed	ASTM D 648	91	°C

### Notes

Typical properties: not to be construed as specifications.