

High Crystallinity Polypropylene

Product Description

Adstif HA1152 is a high crystallinity homopolymer designed for injection molding applications with high processability. It features extremely high stiffness, high flowability, high gloss.

Adstif HA1152 has been especially developed for the production of stiff injection moulded articles, where high rigidity is needed.

Typical applications of *Adstif* HA1152 would include packaging containers, housewares, appliances, technical parts.

Application	Housewares
Market	Automotive; Compounding
Processing Method	Injection Molding
Attribute	High Flow; High Gloss; High Rigidity; High Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	2000	MPa	ISO 527-1, -2
Tensile Stress at Yield	40	MPa	ISO 527-1, -2
Tensile Strain at Break	15	%	ISO 527-1, -2
Tensile Strain at Yield	6	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	2	kJ/m ²	ISO 179
Hardness			
Ball Indentation Hardness	93	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A50)	158	°C	ISO 306
(B50)	104	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	110	°C	ISO 75B-1, -2

