Technical Data Sheet

Adstif EA648P

High Crystallinity Polypropylene

Product Description

Adstif EA648P is a high crystalline impact copolymer with outstanding mechanical properties. The product features an easy processability, an excellent combination of stiffness and impact strength and good gloss. *Adstif* EA648P is a single component solution for high stiffness injection moulding applications that is typically used by customers as replacement of mineral filled polypropylene based compounds.
This grade is typically used by customers in a wide range of appliances, such as housings for electrical appliances, furniture and technical components.
Adstif EA648P is UL listed under file E31765.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
Application	Furniture; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Processability; High Stiffness; Impact Copolymer; Medium Flow; Medium Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ISO 1133-1
Density	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1700	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	50	%	ISO 527-1, -2
Tensile Strain at Yield	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	6.5	kJ/m²	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	3.0	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2
Optical			
Gloss, (60°)	70	%	ASTM D2457