

Adstif EA648P

High Crystallinity Polypropylene
LyondellBasell Industries

Message:

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 resistance and good gloss.

Adstif EA648P is a single component solution for high stiffness injection moulding applications to replace mineral filled compounds with polymer blends. This grade is suitable for a wide range of appliances in the rigid packaging and consumer goods industries, such as housings for electrical appliances, furniture and technical components.

Adstif EA648P is UL listed under file E31765.

General Information			
UL YellowCard	E31765-230606		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Stiffness		
	Highly Crystalline		
	Impact Copolymer		
	Medium Flow		
	Medium Gloss		
Uses	Appliances		
	Consumer Applications		
	Electrical Housing		
	Furniture		
	Household Goods		
	Rigid Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	25.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	71.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1700	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2

Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	
0°C	3.0	kJ/m ²	
23°C	5.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	60	kJ/m ²	
0°C	85	kJ/m ²	
23°C	140	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	100	°C	ISO 75-2/B
Ductile / Brittle Transition Temperature	-40.0	°C	ISO 6603-2
Vicat Softening Temperature			
--	153	°C	ISO 306/A50
--	84.0	°C	ISO 306/B50
Optical	Nominal Value	Test Method	
Gloss (60°)	70	ASTM D2457	

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