# 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.

Features Food Contact Acceptable Good Impact Resistance Good Processability High Stiffness Highly Crystalline Impact Copolymer Medium Flow Medium Flow 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 Lips Holl Mass-Flow Rate (MFR) (230°C/2.16 kg) 18	General Information			
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Tensile Modulus 1700 MPa ISO 527-2	Mechanical			
	Tensile Modulus			
	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/m²	
0°C	3.0	kJ/m²	
23°C	5.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	60	kJ/m²	
0°C	85	kJ/m²	
23°C	140	kJ/m²	
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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