

Adstif EA648P

High Crystallinity Polypropylene
LyondellBasell Industries

Message:

"Adstif" EA648P is a medium flow heterophasic copolymer development grade with outstanding mechanical properties. The product features an easy processability and an excellent stiffness combined with good impact properties and good gloss.

"Adstif" EA648P resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

"This is a developmental grade, changes in formulation and specification are possible. The information is valid at the time of writing. We suggest customers to check and confirm with us the most updated statements from time to time".

General Information			
UL YellowCard	E215205-100129403		
Features	Gloss, Medium		
	Impact resistance, good		
	Workability, good		
	Medium liquidity		
	Compliance of Food Exposure		
Uses	Packaging		
	Electrical/Electronic Applications		
	Electrical appliances		
	Furniture		
	Consumer goods application field		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact manufacturer		
Physical	Nominal Value	Unit	Test Method
Density			
--	0.905	g/cm ³	ISO 1183
--	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant (23°C)	1700	MPa	ISO 527-2/1
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	ISO 179/1eA

0°C	3.0	kJ/m ²	ISO 179/1eA
23°C	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	60	kJ/m ²	ISO 179/1eU
0°C	85	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	120	°C	ASTM D648
Vicat Softening Temperature	153	°C	ISO 306/A50

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