TECHNICAL DATA SHEET

Absolac®200EP

Acrylonitrile Butadiene Styrene (ABS)

DESCRIPTION

Absolac® 200EP is an easy flow Electroplating injection molding grade suitable for Automotive ,Appliances & Stationary sector .

FEATURES

- Electro plating grade
- High impact strength

APPLICATION

- Automotive plating parts
- Stationary fittings
- Novelties

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt flow Index 220 °C/10 kg	ISO 1133	gm /10 min	20
Mould Shrinkage	ASTM D955	%	0.4 – 0.6
Mechanical Properties			
Rockwell Hardness	ISO 2039-2	R-Scale	100
Tensile Strength at yield (50 mm/min)	ISO 527	MPa	43
Tensile Strength at yield (50 mm /min)	ASTM D638	Kg/cm2	450
Tensile Modulus (1mm /min)	ISO 527	MPa	2500
Tensile Modulus (50 mm /min)	ASTM D638	Kg/cm2	26000
Flexural Strength (2 mm/min)	ISO 178	MPa	67
Flexural Strength (5mm/min)	ASTM D790	Kg/cm2	Min. 575
Flexural Modulus (2mm /min)	ISO 178	MPa	2300
Flexural Modulus (5mm /min)	ASTM D790	Kg/cm2	Min.22000
Charpy Notched Impact Strength, 23° C	ISO 179	KJ/m2	29
Izod Notched Impact Strength (¼”thickness)	ASTM D256	Kg.cm/cm	30
Thermal Properties			
Vicat Softening Temperature VST/B/50 (50N, 50 °C/h)	ISO 306	°C	95
Vicat Softening Temperature , VST B-50N	ASTM D1525	°C	95
Heat Deflection Temperature (annealed 80 °C/ 4 Hrs , 1.80 MPa)	ASTMD 648	°C	93
Other Properties			
Specific gravity	ASTM D792	-	1.04

Contact us:
Phone +91 265 2303201-02
www.styrenix.com

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Processing			
Melt Temp Range		°C	220 - 250
Mold Temp Range		°C	60 - 80
Drying Temperature		°C	80
Drying Time		Hr.	2 - 4

SUPPLY FORM

Absolac® is delivered in the form of cylindrical pellets. Standard Packaging unit: 25 kg with HDPE laminate paper bag with HMHDPE liner .In dry areas with normal temperature control, Absolac® can be stored for relatively long periods of time without any change in mechanical properties. With unstable colors, however, storage over a number of years can give rise to some change in color. Under poor storage conditions, Absolac® absorbs moisture, but this can be removed by drying.

PRODUCT SAFETY

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

DISCLAIMER

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