

UBE UBEPOL BR13HB HIPS (n-DM = 0.03 wt % and PH-3H = 0.03 wt %)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Description: UBEPOL-BR13HB is characterized by its low solution viscosity compared with conventional grades and short dissolution time in styrene monomer. Its main merits are as follows: Short dissolution time in styrene monomer Small power consumption for agitation necessary for polymerization in HIPS manufacturing process High rubber content because of low solution viscosity gives HIPS of a higher impact strength It is easy to make rubber particle small in HIPS Information provided by UBE.

Order this product through the following link:

http://www.lookpolymers.com/polymer_UBE-UBEPOL-BR13HB-HIPS-n-DM-003-wt-and-PH-3H-003-wt-.php

Physical Properties	Metric	English	Comments
Particle Size	0.80 µm	0.80 µm	Rubber Particle Size
Melt Flow	2.8 g/10 min	2.8 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	
Tensile Strength, Yield	35.0 MPa	5080 psi	
Elongation at Break	7.0 %	7.0 %	
Izod Impact, Notched	0.530 J/cm	0.993 ft-lb/in	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	101 °C	214 °F	

Optical Properties	Metric	English	Comments
Gloss	82 %	82 %	

Descriptive Properties	Value	Comments
MEK/Acetone Insolubles (wt.%)	21.9	
Swelling Index	13.7	

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