

UBE UBEPOL BR13HB HIPS (n-DM =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-.php

Physical Properties	Metric	English	Comments
Particle Size	1.6 µm	1.6 µm	Rubber Particle Size
Melt Flow	3.6 g/10 min	3.6 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Tensile Strength, Yield	31.0 MPa	4500 psi	
Elongation at Break	20 %	20 %	
Izod Impact, Notched	0.720 J/cm	1.35 ft-lb/in	

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

Optical Properties	Metric	English	Comments
Gloss	68 %	68 %	

Descriptive Properties	Value	Comments
MEK/Acetone Insolubles (wt.%)	22.1	
Swelling Index	11.2	

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