Tuftec™ H1221

Styrene Ethylene Butylene Styrene Block Copolymer

AKelastomers

Message:

Specially designed as a modifier and compatibilizer for polypropylene (PP). Ultrafine dispersion in PP, due to outstanding compatibility, enabling production of transparent sheets and films with excellent flexibility and resistance to hazing or whitening under bending or folding. It is supplied in pellet form.
Applications:
Excellent substitute for PVC, due to unique combination of transparency and flexibility of PP/H1221 blends. Transparent apparel packaging and carrying cases. Folders and toys, enabled by flexibility and absence of hazing and whitening at folds and bends. Soft, comfortable surface feel, enabling excellent elastic films for bag liners, tarpaulins, signboards, other products. Compatibilizer. Base polymer for SEBS molding compounds. Adhesives and sealants component.

General Information	
Features	Good Flexibility
	High Clarity
	Soft
	Stress Whitening Resistant
Uses	Adhesives
	Bags
	Footwear
	Liners
	Sealants
	Sheet
	Toys
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	42		JIS K6253
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2/50
Yield, Injection Molded	23.0	MPa	
Break, Injection Molded	28.0	MPa	
Tensile Strain (Break, Injection Molded)	530	%	ISO 527-2/50
Flexural Modulus [1] (Injection Molded)	710	MPa	ISO 178

Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	340	MPa	
TD	380	MPa	
Tensile Stress			ISO 527-3
MD : Yield	5.00	MPa	
TD : Yield	5.00	MPa	
MD	13.0	MPa	
TD	13.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	70	%	
TD : Break	71	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-21.4	°C	ASTM D746
Optical	Nominal Value	Unit	Test Method
Transmittance (70.0 μm)	92.4	%	JIS K7105
Haze (70.0 μm)	4.2	%	JIS K7105
Additional Information	Nominal Value	Unit	Test Method
Whitening	3.2	%	Internal Method
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT