

# Tuftec™ H1121

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.

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. Basepolymer for SEBS molding compounds. Adhesives and sealants component.

General Information			
Features	Good Flexibility		
	Good Surface Finish		
	High Clarity		
	Soft		
Uses	Adhesives		
	Bags		
	Film		
	Packaging		
	Sealants		
	Stationary Supplies		
Forms	Toys		
	Pellets		
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 <sup>1</sup> (Injection Molded)	710	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/2
MD : 70 µm	340	MPa	
TD : 70 µm	380	MPa	
Tensile Stress			ISO 527-3
MD : Yield	5.00	MPa	
TD : Yield	5.00	MPa	
MD : Break	13.0	MPa	
TD : Break	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	%	ASTM D1003
Haze (70.0 μm)	4.2	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Whitening	3.2	%	Internal Method
NOTE			
1.	2.0 mm/min		

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#### Recommended distributors for this material

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