

Unipren® Elastomers A3 NTLA010 35A EB06S1 UP329

Thermoplastic Elastomer

Petropol Industry and Trade of Polymers LTDA

Message:

Thermoplastic compound for medical and biological applications with high and odorless properties mechanical and chemical. Its use is weather-resistant and can be applied to parts using Externally, it is ideal for parts that have contact with humans as toys, tools and household items and medical applications and hospital dental drug. All this combined with the behavior of plastics during processing. Product with unique processing by molding injection.

General Information			
Features	Good Chemical Resistance		
	Good Weather Resistance		
	Low to No Odor		
Uses	Household Goods		
	Medical/Healthcare Applications		
	Power/Other Tools		
	Toys		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>TPE<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.985	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.0 to 3.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	32 to 38		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% Strain	1.00	MPa	
300% Strain	2.00	MPa	
Tensile Strength ² (Break)	3.00	MPa	ASTM D412
Tensile Elongation ³ (Break)	> 500	%	ASTM D412
Tear Strength ⁴	20.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	180 to 200	°C	
Mold Temperature	25.0 to 50.0	°C	
NOTE			

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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

