RAYPRENE® NB221-S4051

Thermoplastic Elastomer

R&P; (Pte.) Ltd.

Message:

RAYPRENE® NB221-S4051 is a modified thermoplastic elastomer that possesses good mechnical properties, dimensional stability and tensile elasticity. It has outstanding flexibility and high adhesion capabilities with many polymers such as PP and PE. This grade provides a soft touch feel and is suitable on injection overmolding for many application components such as household appliances, sports gears, electrical and telecommunication devices.
It is translucent and can be used for food contact applications.

General Information			
Features	Food Contact Acceptable Good Adhesion Good Dimensional Stability Good Flexibility High Elasticity Soft		
Uses	Appliances Electrical/Electronic Applications Non-specific Food Applications Sporting Goods Telecommunications		
Appearance	Translucent		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.870	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 to 12	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	50		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break)	5.60	MPa	ASTM D412
Tensile Elongation [2] (Break)	880	%	ASTM D412
Injection	**Nominal Value**	**Unit**	
Drying Temperature	60.0 to 70.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	190 to 210	°C	
Mold Temperature	20.0 to 50.0	°C	
NOTE			
1.	500 mm/min		

2.	500 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