

# T-Blend® 4404N-PE

Thermoplastic Elastomer

TSRC Corporation

## Message:

T-Blend® 4404N-PE is a Thermoplastic Elastomer (TPE) product. It can be processed by extrusion or injection molding and is available in Asia Pacific. Applications of T-Blend® 4404N-PE include handles, bags/liners, business/office goods, consumer goods and engineering/industrial parts. Characteristics include:

- Chemical Resistant
- Eco-Friendly/Green
- Fast Molding Cycle
- Food Contact Acceptable
- Good Adhesion

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Adhesion		
	Good Chemical Resistance		
	Good Colorability		
	Good Weather Resistance		
	Non-Toxic		
	Recyclable Material		
Uses	Flexible Grips		
	Household Goods		
	Liners		
	Overmolding		
	Power/Other Tools		
	Sporting Goods		
	Stationary Supplies		
	Toothbrush Handles		
	Toys		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03 to 1.07	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (180°C/5.0 kg)	25 to 65	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method

Durometer Hardness (Shore A)	43 to 47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1.57	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Tear Strength	12.7	kN/m	ASTM D624
Additional Information	Nominal Value		
Substrate	PP		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 210	°C	

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#### Recommended distributors for this material

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