



**OUTDOOR
HIGH PERFORMANCE
SHOOTING SPORTS**

SELECTION GUIDE

PolyOne[™]

	ENGINEERED POLYMER FORMULATIONS	THERMOPLASTIC ELASTOMERS
FIREARMS		
Stocks, Frames & Receivers	<ul style="list-style-type: none"> • Structurally reinforced polymers • Long fiber reinforced polymers • Metal replacement engineered formulations • Specialty color, pre-colored materials • Specialty formulations for dye sublimation 	<ul style="list-style-type: none"> • Soft touch
Handguards, Forearms, Picatinny Rails & Magazines	<ul style="list-style-type: none"> • Structurally reinforced polymers • Long fiber reinforced polymers • Metal replacement engineered formulations • Specialty color, pre-colored material • Specialty formulations for dye sublimation 	<ul style="list-style-type: none"> • Vibration damping • Soft touch
Recoil Pads		<ul style="list-style-type: none"> • Vibration damping • Ultra soft
Grips	<ul style="list-style-type: none"> • Structurally reinforced polymers • Specialty color, pre-colored materials • Overmolding-compatible polymers • Specialty formulations for dye sublimation 	<ul style="list-style-type: none"> • Vibration damping • Soft touch
ARCHERY		
Limbs & Risers	<ul style="list-style-type: none"> • Structurally reinforced polymers • Long fiber reinforced polymers • Metal replacement engineered formulations • Specialty color, pre-colored materials • Specialty formulations for dye sublimation 	<ul style="list-style-type: none"> • Soft touch
Stabilizers & Accessories	<ul style="list-style-type: none"> • Structurally reinforced polymers • Metal replacement engineered formulations • Specialty formulations for dye sublimation 	<ul style="list-style-type: none"> • Vibration damping • Ultra soft
PROJECTILES		
Bullets	<ul style="list-style-type: none"> • Lead replacement engineered formulations • Structurally reinforced polymers 	<ul style="list-style-type: none"> • Thermoplastic urethanes
Shotgun Shells, Wads & Buffer	<ul style="list-style-type: none"> • Polyethylene 	
Arrows	<ul style="list-style-type: none"> • Structurally reinforced polymers 	<ul style="list-style-type: none"> • Soft touch
SAFETY		
Ballistic Panels		

COLORANTS	ADDITIVES	ADVANCED COMPOSITES
<ul style="list-style-type: none"> • Wood grain • Camouflage • IR masking • Pre-colored materials • Glow in the dark/phosphorescent 	<ul style="list-style-type: none"> • Warp reduction • Weight reduction • Process optimization • Laser marking • Anti-counterfeiting additive 	
<ul style="list-style-type: none"> • Wood grain • Camouflage • IR masking • Pre-colored materials • Glow in the dark/phosphorescent 	<ul style="list-style-type: none"> • Warp reduction • Weight reduction • Process optimization • Laser marking • Anti-counterfeiting additive 	
<ul style="list-style-type: none"> • Camouflage • IR masking • Pre-colored materials • Glow in the dark/phosphorescent 	<ul style="list-style-type: none"> • Process optimization • Laser marking 	
<ul style="list-style-type: none"> • Camouflage • IR masking • Pre-colored materials • Glow in the dark/phosphorescent 	<ul style="list-style-type: none"> • Process optimization • Laser marking 	
<ul style="list-style-type: none"> • Camouflage • IR masking • Pre-colored materials 	<ul style="list-style-type: none"> • Laser marking 	<ul style="list-style-type: none"> • Carbon/glass composite bars and laminates
		<ul style="list-style-type: none"> • Carbon/glass composite bars, rods and tubes
<ul style="list-style-type: none"> • Ballistic tip fluorescent 		
<ul style="list-style-type: none"> • Biodegradable custom colors 	<ul style="list-style-type: none"> • Performance improving additives 	
<ul style="list-style-type: none"> • Pre-colored materials • Glow in the dark/phosphorescent 		<ul style="list-style-type: none"> • Carbon/glass composite rods and tubes
		<ul style="list-style-type: none"> • Composite ballistic resistant panels

SHOOTING SPORTS

Your customers want a product that will help them hit the mark every time. We understand how important user interaction can be. We'll help you integrate specialty polymers into your designs for ultimate performance and an outstanding experience in the field.



BENEFITS

- Structural reinforcement
- Weight reduction
- Metal replacement
- Vibration damping
- Soft touch
- Customization and performance improvement
- Lead replacement
- Biodegradable custom colors
- Carbon/glass composites
- Ballistic resistance



1.866.POLYONE
www.polyone.com

PolyOne[™]

Copyright © 2018, PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. POLYONE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.