

Ecobarrier is a TPO (thermoplastic olefin) produced by Noble Polymers based on olefin/elastomer compounding. Ecobarrier is primarily used as a sound barrier material in low heat applications.

Properties	Unit	ASTM	0414	0512	0712	0914	0916	0918	1512	2412	2614	2618
Specific gravity		D792	1.4	1.223	1.2	1.34	1.6	1.82	1.2	1.21	1.4	1.77
Flexural modulus, 2% secant	psi	D790	4,500	5772	8,000	8,830	9,000	8,563	15,000	34,664	26,000	26,000
Tensile strength, break	psi	D412	600	673.3	600	548	600	428	800	1,434	1,400	1,175
Tensile elongation, break	%	D412	100	258.7	250	247	300	132	400	512	350	641
Tear strength	lbf/in	D624	80	138.8	115	135.9	115	243.7	70	76.6	287	240.7
Hardness	Shore A	D2240	80	72	85	81	89	80	75	46	90	88
Melt flow 230 °C, 2.16 kg	g/10 min	D1238	6.04	1.8	17.8	6.22	9.4	19.35	15.6	8.15	14.84	9.67

Injection Molding Conditions	
Barrel temperatures	375 - 425 °F
Water temperatures	80 - 130 °F

NOTE: While this information is presented in good faith and believed to be accurate, Noble Polymers, nor its parent company does not guarantee satisfactory results from reliance upon such information and disclaims all liability for any loss or damage arising out of its use.

The above information gives typical properties only. Product specifications may be obtained upon request. Final determination of the suitability of any information or material for the use contemplated, the manner of use, and whether there is any infringement of patents is the sole responsibility of the user.



At Noble Polymers, we build compounds that provide innovative solutions to engineering problems. We build relationships that solve many of the common problems customers have with suppliers. We want to work with you to create a solution that makes sense for both your application and your bottom line.



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