

Engineering thermoplastics are well established in the material industry for their toughness, stiffness, and dimensional stability. However, some thermoplastics, like PC/ASA, are limited by their chemical resistance, weathering performance, and rheology. RAVATUF® TPO provides an opportunity to improve on these shortcomings, while maintaining impact strength and other properties. RAVATUF® TPO will also typically offer a reduction in part weight vs. standard polycarbonate alloys.

PROPERTY	UNITS	RAVATUF® 300X	PC/ASA ALLOY
Specific Gravity	---	1.04	1.15
Notched Charpy Impact, 23C	kJ/m ²	33	33
Flexural Modulus	MPa	2,300	2,500
Mold Shrinkage, Flow	%	0.6 - 1.0	0.5 - 0.7

One limitation of standard TPO compounds is the appearance and gloss. RAVATUF® HG TPO is a grade of TPO having higher gloss than standard injection molding grade TPO. Currently, these are available in unfilled grades, however mineral filled grades are in development.

PROPERTY	UNITS	RAVATUF® 155X HG
Melt Flow Rate	g/10 min	15
Specific Gravity	---	0.91
Flexural Modulus	MPa	1,100
Notched Charpy Impact, 23C	kJ/m ²	40

RAVATUF® 155X HG



RAVATUF® 300X

