

Regis® 6503

Polyolefin

Noble Polymers

Message:

240,000psi Flexural Modulus TPO for Injection Molding

Regis Thermoplastic Polyolefin (TPO) compounds provide a unique balance of physical properties and ease of processing. Regis' full range of flexural modulus, impact and other physical property options allows you to customize a solution to meet your specific application's needs.

Regis compounds are used in the automotive and heavy truck industries for applications such as side fairings, bumper covers, rocker panels, air inlet panels and other applications that require a balance of durability and processability.

Features Include:

Flexural modulus range from 35,000 - 350,000 psi

Available in natural, black or custom colors

Additive packages include: UV stabilization, scratch and mar resistance

Can be formulated utilizing reprocessed base materials

Formulations for injection molding as well as profile and sheet extrusion

Customized formulations available to meet your specific need

All Regis products are 100% recyclable

General Information			
Features	Recyclable Material		
Uses	Automotive Applications		
	Automotive Bumper		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.7	MPa	ASTM D638
Flexural Modulus	1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	530	J/m	ASTM D256

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