

# TOTAL Polyethylene Bio TPSeal® 0750\_05

Metallocene Polyethylene

TOTAL Refining & Chemicals

## Message:

Bio TPSeal® 0750\_05 is based on a new generation metallocene Polyethylene with hexene as comonomer.

Bio TPSeal® 0750\_05 also contains a significant level of PolyLactic Acid (PLA) which brings outstanding properties to the final product.

Bio TPSeal® 0750\_05 is a natural or coloured Specialty Compound, provided preferably under a powder form (it can also be pellets).

It is suitable for use in Rotational Moulding.

Main Characteristics

Suitable for monolayer and multi-layer with foam technology.

Application

Structural parts, single skin technology. Automotive design.

General Information			
Features	hexene comonomer		
Uses	Components		
	Foam		
	Application in Automobile Field		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Available colors		
	Natural color		
Forms	Powder		
	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	> 0.955	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (10% Igepal, F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.50mm, rotational molding)	750	MPa	ISO 527-2/1B
Tensile Stress (yield, 4.50mm, rotational molding)	19.0	MPa	ISO 527-2/1B
Tensile Strain (fracture, 4.50mm, rotational molding)	300	%	ISO 527-2/1B
Impact	Nominal Value	Unit	Test Method
Multi-Axial Instrumented Impact Energy (-20°C, 4.50mm, rotational molding, total impact penetration energy)	50.0	J	ISO 6603-2

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#### Recommended distributors for this material

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