

TOTAL Polyethylene Bio TPSeal® 0850_05

Metallocene Polyethylene
TOTAL Refining & Chemicals

Message:

Bio TPSeal® 0850_05 is based on a new generation metallocene Polyethylene with hexene as comonomer.
Bio TPSeal® 0850_05 also contains a significant level of PolyLactic Acid (PLA) which brings outstanding properties to the final product.
Bio TPSeal® 0850_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 with PU foam. 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 ³	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)	> 100	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.50mm, rotational molding)	850	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)	650	%	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)	65.0	J	ISO 6603-2

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