

ICORENE® 1761 Black 9001

Metallocene Medium Density Polyethylene

A. Schulman Europe

Message:

ICORENE® 1761 BLACK 9001 is a medium density metallocene polyethylene for rotational moulding applications.

This grade is specifically developed for dieseltanks. It has a good balance of properties such as toughness, easy flow and high impact.

General Information			
Additive	UV stabilizer		
Features	Highlight		
	Impact resistance, high		
	Good UV resistance		
	High liquidity		
	Good toughness		
Uses	Water tank		
	General		
Appearance	Black		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ISO 527-2
Yield	18.0	MPa	ISO 527-2
Fracture	19.0	MPa	ISO 527-2
Tensile Elongation (Break)	> 700	%	ISO 527-2
Flexural Modulus	700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	190	J/cm	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306
Melting Temperature	123	°C	ISO 11357
NOTE			

1. Based on ISO 6603

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