

ICORENE® 1506

Crosslinked Polyethylene

A. Schulman Europe

Message:

ICORENE® 1506 is a crosslinkable high density polyethylene specifically developed for rotational moulding.

ICORENE® 1506 is particularly suitable for use in applications requiring exceptional impact resistance at low temperature, toughness and excellent ESCR such as fuel tanks. The cross linking system used allows a wider processing windows and higher PIAT can be reached.

General Information			
Additive	UV stabilizer		
Features	Impact resistance, high		
	Good UV resistance		
	Workability, good		
	Crosslinkable		
Uses	Industrial container		
	Fuel Tank		
Appearance	Unspecified Color		
	Black		
	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Environmental Stress-Cracking Resistance ¹ (50°C)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	600	%	ASTM D638
Flexural Modulus	750	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance (-40°C)	320	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	43.0	°C	ASTM D648
NOTE			

1. 10% IGEPAL

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